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La Sierra College Bulletin

CATALOG NUMBER

1954-1955

LA SIERRA COLLEGE BULLETIN
Arlington, California

VOL. XXXIII

APRIL 15, 1954

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Application for entry as second-class matter is pending.

• NEWBURY PARK ACADEMY

Mt. Wilson

• GLENDALE UNION ACADEMY

• GLENDALE SANITARIUM

Occidental College

Cal Tech

Huntington
Memorial

Claremont
Colleges

Univ. Calif. L. A.

Pasadena

Library

• WHITE MEMORIAL HOSPITAL

• COLLEGE OF MEDICAL EVANGELISTS

60

Pomona

Los Angeles

Univ. S. Calif.

Whittier College

• LYNWOOD ACADEMY

91

Orange Groves

Long Beach

Balboa

Laguna Beach

Santa Ana

San Juan
Capistrano

Oceanside

San Diego

• SAN DIEGO UNION ACADEMY

• PARADISE VALLEY SANITARIUM



Mt. Baldy

Lake Arrowhead

Cajon Pass

66

San Bernardino

Ontario

Riverside

- COLLEGE OF MEDICAL EVANGELISTS
- LOMA LINDA ACADEMY
- LOMA LINDA SANITARIUM

Redlands

Redlands University

Univ. Calif. Riverside

Palm Springs

To ARIZONA ACADEMY

LA SIERRA COLLEGE

Orange Groves

Lake Elsinore

Mt. San Jacinto

Idyllwild

Painted Desert

Palomar Observatory

PASQUAL ACADEMY

Salton Sea

MEXICO

PICTURES

Characteristic campus scenes are shown in this order as indicated:

At the front

1. Administration Building.
2. Panorama as seen from the center of the campus.
3. The new science building, housing the Chemistry department in the west wing and the Biology department in the east wing.

Between pages 36 and 37

4. San Fernando Hall, housing the Physics and Mathematics departments.
5. Gladwyn Hall, dormitory for freshman women.
6. Angwin Hall, dormitory for upper-class women.
7. Mu Beta Kappa, dormitory for freshman men.

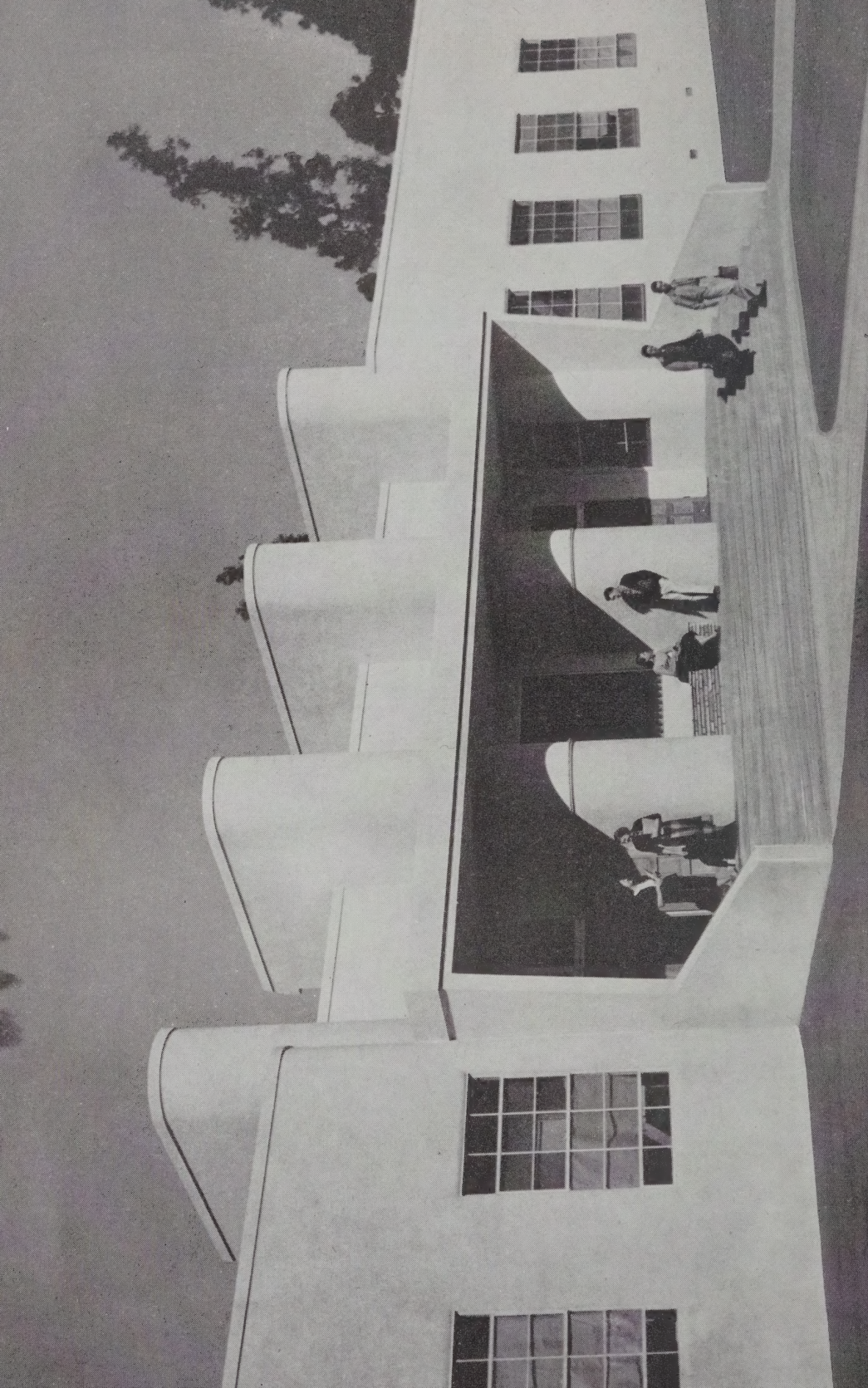
Between pages 106 and 107

8. Library patio.
9. A corner of the library reference room.
10. A visual arts class.
11. La Sierra Hall, main classroom building.
12. Palm colonnade to Mu Beta Kappa.









Annual Catalog

1954-1955



LA SIERRA COLLEGE

Arlington, California

THE LIBRARY OF THE

AUG 3 1954

UNIVERSITY OF ILLINOIS

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JULY							AUGUST							SEPTEMBER						
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11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
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31																				

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SEPTEMBER						
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25	26	27	28	29	30	

Note 1.—Underscoring indicates examination days.

Note 2.—The last day of each month is the end of a financial period. Accounts are due within ten days.

CALENDAR OF EVENTS

1954-1955

SUMMER SESSION 1954

First Summer Session Registration	June 6
First Summer Session Instruction Begins (Six Weeks Term)	June 7
Second Summer Session Registration	July 18
Second Summer Session Instruction Begins (Six Weeks Term)	July 19

FIRST SEMESTER

Freshman Welcome and Orientation Day (Attendance Required) Sept.	20
Registration (Non-Freshman)	September 20
Freshman Registration	September 21
Instruction Begins	September 22
Founders' Day	October 3
Fall Week of Prayer	October 8 - 16
Mid-Semester Examinations	November 17 - 19
Autumn Recess 12:30 p.m.	November 24
to 6:00 p.m.	November 28
Senior Organization	December 2
Senior Presentation	December 13
Winter Recess 12:30 p.m.	December 22
to 6:00 p.m.	January 3
First Semester Examinations	January 31 - February 4

SECOND SEMESTER

Second Semester Registration	February 6 and 7
Second Semester Instruction Begins	(Tuesday) February 8
College Day	March 2
Mid-Semester Examinations	April 4 - 6
Spring Recess 12:30 p.m.	April 6
to 6:00 p.m.	April 10
Spring Week of Prayer	March 18 and 26
Alumni Homecoming	May 1
Second Semester Examinations	May 30 to June 3
Consecration	June 3
Baccalaureate	June 4
Commencement	June 5

SUMMER SESSIONS 1955

First Summer Session Registration	June 12
First Summer Session Instruction Begins (Six Weeks Term)	June 13
Second Summer Session Registration	July 24
Second Summer Session Instruction Begins (Six Weeks Term)	July 25

CORRESPONDENCE INFORMATION

The post office address of La Sierra College is Arlington, Calif.

Correspondence concerning the general interests of the college and faculty appointments should be addressed to the president.

Other inquiries should be addressed as indicated below:

Application for Admission	Dean of the College
Application for Employment	Business Manager
Payment of Bills	Business Office
Catalogs and Bulletins	Dean of the College
Alumni Affairs	Alumni Sponsor
Evaluation of Credits	Registrar
Graduate Placement	Dean of the College
Transcript of Records	Registrar
Summer Sessions	Dean of the College

ADMINISTRATION AND FACULTY

BOARD OF TRUSTEES

CLIFFORD L. BAUER, *President*
Glendale, California

GODFREY T. ANDERSON, *Secretary*
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W. E. ANDERSON, *Treasurer*
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Glendale, California

JOHN E. WEAVER
Angwin, California

HOWARD L. SHULL
Angwin, California

GEORGE T. CHAPMAN
Arlington, California

ERNEST L. PLACE
Sanitarium, California

W. FREDERICK NORWOOD
Los Angeles, California

FRED W. SCHNEPPER
Glendale, California

COMMITTEE ON FACULTY

C. L. BAUER, *Chairman*

G. T. ANDERSON
W. E. ANDERSON

J. E. WEAVER

H. H. HICKS
A. C. NELSON

FINANCE COMMITTEE

F. W. SCHNEPPER, *Chairman*

R. R. BIETZ
A. C. NELSON

JAMES HOWARTH

H. H. HICKS

G. T. ANDERSON
W. E. ANDERSON

BUILDINGS AND GROUNDS COMMITTEE

C. L. BAUER, *Chairman*

G. T. ANDERSON
F. W. SCHNEPPER

H. H. HICKS
R. R. BIETZ

REGIONAL FIELD REPRESENTATIVES

R. L. HUBBS, Box 5277, Phoenix, Arizona

E. F. HEIM, P.O. Box 580, San Jose 6, California

J. F. KNIPSCHILD, JR., Box 4037, Honolulu 46, T.H.

H. M. LODGE, Box 1470, Reno, Nevada

CECIL I. CHRISMAN, Box 584, Arlington, California

J. ALFRED SIMONSON, Box 969, Glendale, California

P. G. WIPPERMAN, Box 149, Oakland 4, California

ON CAMPUS ADMINISTRATION

OFFICERS OF ADMINISTRATION

GODFREY T. ANDERSON, Ph.D., *President*

THOMAS A. LITTLE, Ph.D., *Dean*

W. E. ANDERSON, M.Bus.Adm., *Business Manager*

WILLETA CARLSON, B.S., *Registrar*

HUGH C. LOVE, B.A., *Dean of Men*

LOIS MCKEE, B.S., *Dean of Women*

D. GLENN HILTS, B.S. IN L.S., A.M., *Librarian*

MAX M. WILLIAMS, M.A., *Principal of Preparatory School*

ASSOCIATES IN ADMINISTRATION

ELMER H. OLSON, M.D., *Staff Physician*

VIRGINIA PROCTOR, A.B., *Assistant Registrar*

PAUL S. DAMAZO, M.S., *Director of Food Services*

AILEEN DIXON, B.A., *Business Office Manager*

HOPE HAYTON, B.S. IN L.S., A.M., *Assistant Librarian*

PATRICIA HIRSCH, B.A., M.S. IN L.S., *Assistant Librarian*

DOROTHY KUESTER, B.Th., *Assistant Dean of Women*

CLARENCE M. LAUE, B.S., *Assistant Business Manager*

EDWARD W. MATHESON, *Assistant Dean of Men*

OFFICERS OF AUXILIARY ACTIVITIES

DON ANDERSON, *Superintendent of College Press*

JOHN CLOUGH, *Superintendent of Maintenance*

G. CLARENCE FERGUSON, *Superintendent of Grounds*

F. E. ROMANT, *Superintendent of College Store*

GEORGE E. STEARNS, *Superintendent of College Farm*

WILLIAM M. TASKER, *Superintendent of Construction*

INSTRUCTIONAL STAFF

- WILFRED J. AIREY, Ph.D. *Professor of History*
A.B., Walla Walla College; A.M., University of Washington; Ph.D., University of Washington. *La Sierra College*, 1941-
- MARGARETE AMBS, A.M. *Professor of Modern Languages*
A.B., Emmanuel Missionary College; A.M., University of Southern California; graduate work, Universidad Nacional de Mexico; Western Reserve University; La Sorbonne, summer. *La Sierra College*, 1938-
- DONALD M. BROWN, Ph.D. *Professor of Biology*
A.B., Washington Missionary College; M.S., University of Maryland; Ph.D., University of Maryland. *La Sierra College*, 1951-
- LESTER H. CUSHMAN, M.S. *Professor of Mathematics*
A.B., Pacific Union College; M.S., University of Southern California; graduate work, University of Southern California. *La Sierra College*, 1930-
- LLOYD E. DOWNS, A.M. *Professor of Biology*
A.B., Pacific Union College; A.M., Pacific Union College; graduate work, University of Southern California. *La Sierra College*, 1944-
- HAROLD B. HANNUM, M.Mus., A.A.G.O. *Professor of Organ and Theory*
A.B., Washington Missionary College; Teacher's Certificate (piano) Peabody Conservatory; Associate of the American Guild of Organists; M.Mus., Northwestern University. *La Sierra College*, 1944-
- J. CECIL HAUSSLER, Ph.D. *Professor of Religion*
A.B., Walla Walla College; A.M., Occidental College; Ph.D., University of Southern California. *La Sierra College*, 1944-
- EDWARD HEPPENSTALL, Ph.D. *Professor of Religion*
B.Th., Stanborough Park College, England; A.B., Emmanuel Missionary College; A.M., University of Michigan; Ph.D., University of Southern California. *La Sierra College*, 1940-
- MAYBEL JENSEN, A.M. *Professor of Elementary Teacher Education*
A.B., Union College; A.M., University of Southern California; graduate work, University of Southern California. *La Sierra College*, 1925-
- FRANK JUDSON, M.S. *Professor of Agriculture*
B.S., Madison College; M.S., University of Tennessee. *La Sierra College*, 1948-
- WILLIAM D. LEECH, Ph.D. *Professor of Chemistry*
A.B., Union College; M.A., University of Southern California; Ph.D., California Institute of Technology. *La Sierra College*, 1952-
- THOMAS A. LITTLE, Ph.D. *Professor of English*
A.B., Washington Missionary College; A.M., University of North Carolina; Ph.D., University of Nebraska. *La Sierra College*, 1949-

- IRENE E. ORTNER, A.M., C.P.S. *Professor of Secretarial Science*
A.B., Atlantic Union College; A.M., Boston University; University of Southern California; Certified Professional Secretary. *La Sierra College*, 1944-
- NORVAL F. PEASE, B.D. *Professor of Religion*
B.A., Walla Walla College; M.A., Seventh-day Adventist Theological Seminary; B.D., Seventh-day Adventist Theological Seminary. *La Sierra College*, 1953-
- MABEL CURTIS ROMANT, A.B., M.O. *Professor of Speech*
A.B., Emmanuel Missionary College; M.O., Chicago School of Expression and Dramatic Art; graduate work, Catholic University of America. *La Sierra College*, 1940-
- JULIAN L. THOMPSON, Ph.D. *Professor of Physics*
B.S., Pacific Union College; M.S., University of Oklahoma; Ph.D., University of Chicago. *La Sierra College*, 1946-
- KARL F. AMBS, M.Bus.Adm. *Lecturer in Economics*
A.B., Emmanuel Missionary College; M.Bus.Adm., Northwestern University. *La Sierra College*, 1936-
- WILLIAM E. ANDERSON, M.Bus.Adm. *Associate Professor of Business Administration*
A.B., Emmanuel Missionary College; M.Bus.Adm., University of Southern California. *La Sierra College*, 1943-
- EDNA S. FARNSWORTH, B.F.A., M.Mus. *Associate Professor of Piano*
B.F.A. in Music, Nebraska Wesleyan University; M.Mus., Redlands University. *La Sierra College*, 1939-
- JOHN T. HAMILTON, M.Mus. *Associate Professor of Voice*
B.Mus., Northwestern University; M.Mus., Northwestern University. *La Sierra College*, 1947-
- GEORGE T. SIMPSON, A.M. *Associate Professor of Secondary Education*
A.B., Walla Walla College; A.M., University of Denver; graduate work, Columbia University. *La Sierra College*, 1947-
- WALTER F. SPECHT, A.M. *Associate Professor of Biblical Languages and Religion*
B.Th., Walla Walla College; A.M., Seventh-day Adventist Theological Seminary; University of Chicago. *La Sierra College*, 1945-
- ALFRED WALTERS, M.Mus. *Associate Professor of Violin*
B.S., Fredonia State Teachers' College; M.Mus., Boston University; Northwestern University. *La Sierra College*, 1947-
- LILLIAN L. BEATTY, A.M. *Assistant Professor of English*
A.B., Walla Walla College; A.M., Stanford University. *La Sierra College*, 1946-

- DORIS H. BROWN, M.A. *Assistant Professor of Secondary Education*
B.A., Washington Missionary College; M.A., University of Nebraska.
La Sierra College, 1952-
- FRANCES L. BROWN, A.M. *Assistant Professor of Voice*
A.B., Pacific Union College; A.M., University of Southern California;
graduate work, University of Southern California and University of
Redlands. *La Sierra College, 1953-*
- H. ALLEN CRAW, M.Mus. *Assistant Professor of Piano*
A.B., Emmanuel Missionary College; M.Mus, North Texas State Col-
lege; graduate work, Eastman School of Music, and University of
Southern California. *La Sierra College, 1950-*
- ANNA P. EDWARDSON, A.M. *Assistant Professor of Nursing Education*
A.B., Redlands University; A.M., University of Washington. *La Sierra*
College, 1948-
- H. RUSSELL EMMERSON, A.B. *Assistant Professor of Architectural
Engineering*
A.B., Walla Walla College; student, University of Southern California.
La Sierra College, 1952-
- CHARLES B. HIRSCH, Ph.D. *Assistant Professor of History
and Political Science*
A.B., Atlantic Union College; M.A., Indiana University; Ph.D., Indiana
University. *La Sierra College, 1951-*
- RALPH L. KOORENNY, A.M. *Assistant Professor of Business Administration*
A.B., Walla Walla College; A.M., Washington State College; graduate
work, University of California at Los Angeles, and University of
Colorado. *La Sierra College, 1948-*
- LUELLA LATHAM KRETSCHMAR, M.S. *Assistant Professor of Chemistry*
B.S., University of Washington; M.S., University of Washington; gradu-
ate study, University of Chicago. *La Sierra College, 1952-*
- HELEN F. LITTLE, A.M. *Assistant Professor of English*
A.B., Union College; A.M., University of Nebraska. *La Sierra College,*
1950-
- EDWARD NACHREINER, A.M. *Assistant Professor of Modern Languages*
A.B., Union College; A.M., University of Nebraska; graduate work,
University of Munich; Washington University, University of Southern
California. *La Sierra College, 1950-*
- JAMES RIGGS, M.S. *Assistant Professor of Physics*
A.B., La Sierra College; graduate work, University of Southern Cali-
fornia, University of California at Los Angeles; M.S., Texas A. & M.
La Sierra College, 1947-
- CHLOE ADAMS SOFSKY, A.B., B.F.A. *Assistant Professor of Art*
A.B., Union College; B.F.A., University of Nebraska; graduate work,
Claremont College. *La Sierra College, 1945-*
- MAHLON C. TATRO, Ph.D. *Assistant Professor of Chemistry*
A.B., University of Missouri; M.S. and Ph.D., University of Mas-
sachusetts. *La Sierra College, 1954-*

- PAUL S. DAMAZO, M.S. *Instructor in Nutrition*
B.S., College of Medical Evangelists; M.S., Florida State University.
La Sierra College, 1953-
- HOPE H. HAYTON, B.S. IN L.S., A.M. *Instructor in Library Science*
A.B., Pacific Union College; A.M., University of Southern California;
B.S. IN L.S., University of Southern California; graduate work, Uni-
versity of Southern California. *La Sierra College*, 1946-
- DOROTHY KUESTER, B.Th. *Instructor in Physical Education*
B.Th., Walla Walla College. *La Sierra College*, 1952-
- LAWRENCE E. MOBLEY, A.M. *Instructor in English*
A.B., Emmanuel Missionary College; A.M., University of Michigan.
La Sierra College, 1952-
- WILLIAM J. NAPIER, A.B. *Instructor in Physical Education*
A.B., Union College; graduate work, University of Colorado. *La*
Sierra College, 1950-
- H. RAYMOND SHELDEN, B.S. *Instructor in Chemistry*
B.S., Emmanuel Missionary College; graduate work, Indiana Univer-
sity and University of Colorado. *La Sierra College*, 1948-
- ROBERT WARNER, M.Mus.Ed. *Instructor in Band Instruments*
A.B., Iowa State Teachers College; M.Mus.Ed., Northwestern Uni-
versity. *La Sierra College*, 1952-
- E. A. WIDMER, A.B. *Instructor in Biology*
A.B., Union College; graduate work, University of Colorado. *La*
Sierra College, 1953-
- YVONNE PASHER SONNELAND, B.S. *Assistant in Home Economics*
B.S., *La Sierra College*. *La Sierra College*, 1952-

SUPERVISING TEACHERS IN SECONDARY EDUCATION

- GRACE ALVAREZ, M.A. *Supervising Teacher in History and Spanish*
A.B., Hunter College; M.A. Columbia University. *La Sierra College*,
1949-
- WILLIAM J. NAPIER, A.B. *Supervising Teacher in Physical Education*
A.B., Union College; graduate work, University of Colorado. *La*
Sierra College, 1950-
- REVA E. PALMER, M.Ed. *Supervising Teacher in English*
A.B., Pacific Union College; M.Ed., University of Oregon. *La Sierra*
College, 1953-
- ADOLPHUS H. PARKER, M.A. *Supervising Teacher in Science*
and Mathematics
A.B., Union College; M.A., University of Minnesota. *La Sierra Col-*
lege, 1947-

- NELLIE PHILLIPS, M.Bus.Ed. *Supervising Teacher in Business Education*
A.B., Union College; M. Bus.Ed., University of Colorado. *La Sierra College*, 1947-
- MAX M. WILLIAMS, M.A. *Principal of La Sierra Secondary Demonstration School*
A.B., Pacific Union College; M.A., Texas Christian University, *La Sierra College*, 1953-
- FLOYD G. WOOD, A.B. *Supervising Teacher in Religion*
A.B., La Sierra College. *La Sierra College*, 1947-

SUPERVISING TEACHERS IN ELEMENTARY EDUCATION

- H. EUGENE BATES, A.B. *Principal, Elementary School*
A.B., La Sierra College; graduate work, Claremont Graduate School. *La Sierra College*, 1950-
- FRANCES BARTLETT CRAW, M.S. *Supervising Teacher, Grade Five*
A.B., Emmanuel Missionary College; M.S., North Texas State College. *La Sierra College*, 1950-
- DEENA D. DEE, A.B. *Supervising Teacher, Grade Four*
A.B., La Sierra College; graduate work, San Diego State College. *La Sierra College*, 1953-
- MARY WITCHEY GROOME, M.A. *Supervising Teacher, Grade One*
A.B., University of Redlands; M.A., Claremont Graduate School; graduate work, University of Denver. *La Sierra College*, 1938-
- PAUL KRAVIG, B.S. *Supervising Teacher, Grade Eight*
B.S., Union College; graduate work, Colorado State Teachers College. *La Sierra College*, 1953-
- NELLIE G. ODELL, M.A. *Supervising Teacher, Grade Three*
A.B., Pacific Union College; M.A., Columbia University. *La Sierra College*, 1945-
- DONOVON OLSON, A.M. *Supervising Teacher, Grade Seven*
A.B., Emmanuel Missionary College; A.M., University of Redlands. *La Sierra College*, 1954-
- HELEN R. SWENSON, B.S. *Supervising Teacher, Grade Six*
B.S., University of Denver; graduate work, Claremont College. *La Sierra College*, 1948-
- GENEVIEVE TOMLINSON, A.B. *Supervising Teacher, Grades One and Two*
A.B., Walla Walla College, *La Sierra College*, 1954-
- MARY WOODWARD, A.B. *Supervising Teacher, Grade Two*
A.B., Pacific Union College; graduate work, University of California at Los Angeles. *La Sierra College*, 1947-

FACULTY COMMITTEES

Administrative Council and Admissions Committee

President, Dean, Business Manager, Registrar, Dean of Men, Dean of Women, Chairman of Religion Department, Wilfred J. Airey, Margarete Ambbs, William D. Leech.

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Thomas A. Little, Donald M. Brown, Willeta Carlsen, Harold B. Hannum, J. Cecil Haussler, D. Glenn Hilts, Charles B. Hirsch, Frank Judson, Ralph Koorennny, George T. Simpson.

Curriculum Committee

Dean, Registrar, Heads of the Departments

Library Committee

D. Glenn Hilts, Wilfred J. Airey, Doris H. Brown, H. Allen Craw, H. Russell Emmerson, J. Cecil Haussler, Hope Hayton, Clarence Laue, Helen F. Little, Elmer Widmer.

Personnel Committee

Dean, Dean of Men, Dean of Women, Director of Health Service, Clarence Laue, Edward Nachreiner, Irene Ortner, George T. Simpson, Walter F. Specht, Julian Thompson.

Religious Activities Committee

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Social Activities Committee

John T. Hamilton, Margarete Ambbs, Paul Damazo, Clarence Laue, William D. Leech, Hugh C. Love, Lois McKee, William J. Napier, Mabel C. Romant, Max M. Williams.

GENERAL INFORMATION

THE PHYSICAL PLANT

LOCATION AND ENVIRONMENT

La Sierra College is located ten miles southwest of the city of Riverside, fifty miles east of Los Angeles, and twenty miles southwest of Loma Linda. The college has easy access by bus, train, and paved highway to all famous cultural and educational centers of Southern California.

The college buildings are grouped on a gentle slope overlooking the Riverside valley, with its world famous citrus and walnut groves and palm-lined boulevards. During the winter months the snow-clad peaks of the Southern Sierras can be seen rising above the orange groves, a view of rare beauty from the campus.

BUILDINGS, EQUIPMENT, AND GROUNDS

The college plant consists of fourteen main buildings of similar architecture attractively grouped on the thirty-acre campus, and, in addition, a physical education building, three industrial buildings, and a general store. A quarter of a mile from the campus are the barns, stables, dairy, and creamery of the college farm.

THE ADMINISTRATION BUILDING and J. E. FULTON MEMORIAL LIBRARY (built in 1946) contains the administrative and business offices of the college and the offices and classrooms of the Business Division. The library reading room has a seating capacity of 250 students. A reserve book reading room accommodates 50 students. The library is modern in its equipment and arrangement, including a librarian's office, work rooms, and two floors of fireproof stacks, with a total capacity of 80,000 volumes. The stack rooms are equipped with numerous carrells. A microfilm room is fitted with reading machines and storage cabinets. A collection of phonograph records and a player are available in the library.

LA SIERRA HALL (built in 1923), once the administration building, occupies a central position on the campus. It contains offices and classrooms of the Religion, Social Sciences, and Language Divisions.

SAN FERNANDO HALL (built in 1931) contains teachers' offices, classrooms, and laboratories of the Departments of Physics and Mathematics.

SCIENCE HALL houses the Biology and Chemistry departments. Built in a U-shape, the \$160,000 structure contains 30,000 square feet of space for classrooms, laboratories, offices, biology museum, and a branch library.

THE HOLE MEMORIAL AUDITORIUM BUILDING (built in 1937) contains the music studios, a large practice hall, and numerous student practice rooms on the upper floor. The heart of the building is the college chapel, containing the concert organ and seating 750.

On the lower floor of the building is another auditorium that seats 300. A second pipe organ is on this floor.

THE INDUSTRIAL ARTS BUILDING (built in 1949) contains teachers' offices, classrooms, and laboratories for courses in home economics, agriculture, wood trades, and drafting.

THE DEMONSTRATION SCHOOL (built in 1947), located northeast of the main campus, combines the functions of parochial school for the community and demonstration school for the Department of Elementary Education. There are ten classrooms and ten teachers' offices. Each classroom has space for activities. The construction is mainly of fireproof Latisteel.

MU BETA KAPPA (built in 1922), residence hall for men, is one of the two original buildings on the campus. It contains forty-two student rooms and the office and living quarters of the assistant dean of men.

GLADWYN HALL (built in 1922), residence hall for women, is the other original building, erected the first year of the school. It contains forty-three student rooms and the office and living quarters of the assistant dean of women.

CALKINS HALL (built in 1938), residence hall for men, contains the office and living quarters for the dean of men, a dispensary, and sixty-six student rooms.

ANGWIN HALL (built in 1940), the newest residence hall for women, contains public rooms similar to those of Calkins Hall, office and living quarters of the dean of women, and fifty-one student rooms.

SOUTH CHAPEL (built in 1951), a new campus structure, is a place of worship for dormitory men. In addition to being used for morning and evening worship, the building is always open for private devotion. Of modified Gothic style, the building seats three hundred.

THE CAFETERIA (built in 1941) contains on the main floor a dining room seating four hundred, and a smaller dining room known as the "Banquet Room." On the lower floor are located the office and rooms of the Art Department, the apartments of the cafeteria director, the kitchen, and the bakery.

COLLEGE HALL (built in 1935), on Campus Drive, is the recreation center for the college. It is used by the Southeastern California Conference of Seventh-day Adventists for its annual camp meeting and by the college during the school year as a gymnasium.

THE INDUSTRIAL BUILDINGS include the La Sierra College Press, the laundry, the college store, and a shop housing wood and metal working equipment and offices for industrial superintendents.

THE PHYSICAL EDUCATION BUILDING (built in 1946), also located on Campus Drive, adjoins the recreation field and is built around the

swimming pool. The building contains shower and locker rooms, offices and classrooms.

THE COLLEGE FARM consists of some four hundred acres; two-thirds of it is under irrigation. Two deep wells equipped with turbine pumps furnish the water for irrigation and domestic purposes. The college has a dairy herd of about two hundred head, and a modern creamery and ice cream plant.

THE CHURCH (built in 1947), a beautiful house of worship for college and community, is located north of the campus on college property. It has a seating capacity of more than 2,200 in the main auditorium. A large church pipe organ was installed in the church in the spring of 1952.

Under construction for THE SECONDARY SCHOOL is a modern unit with 18,000 square feet of space. Built in a U-shape, the building will contain classrooms, 8 teachers' offices, laboratories for home economics and chemistry, a chapel seating 300, a library, administrative offices, and various work and storage rooms.

HISTORY AND STANDING

HISTORY

On October 3, 1922, La Sierra opened its doors as the academy of the Southeastern California Conference of Seventh-day Adventists. It was the purpose of the founders to provide educational facilities with a denominational stamp and according to the denominational blueprint. These principles call for a rural setting and instruction by Christian teachers in the arts and sciences of living and service. Each student is required to gain some experience in the area of applied arts, and encouragement is given to work experience on the campus. From the beginning the school has been coeducational.

The first college work in teacher training was offered in 1923, and the school acquired the name La Sierra Academy and Normal School. In 1927 the school was raised to the junior college level, and the name was changed to the Southern California Junior College. In 1939 the Northwest Association of Secondary and Higher Schools accredited the college for fifteen grades of work. Within a few months the college became a full sixteen-grade institution, and the California Legislature approved a new charter, changing the name to La Sierra College and authorizing the granting of degrees.

ACCREDITATION

La Sierra College is accredited as a college of liberal arts by the Western College Association and by the Northwest Association of Secondary and Higher Schools. It is accredited by the State Department of Education of California to prepare students for elementary education teaching certification.

MEMBERSHIPS

In addition to membership in the accrediting organizations listed above, the college is a member of the Association of Seventh-day

Adventist Colleges and Secondary Schools, the American Council on Education, and the Association of American Colleges.

SCHOLASTIC ORGANIZATION

The college has arranged its studies into two general levels:

- A. The lower, or junior college, biennium, designed to lay foundations and to survey the principal areas of knowledge.
- B. The upper, or senior college, biennium, designed to build men and women of intellectual maturity prepared for service in community and church affairs, and to provide for the student concentrated study in the field of his chosen profession.

The college also offers a number of semiprofessional and pre-professional curriculums designed to serve the needs of students going into the professions of medical technology and medical therapy, dentistry, dietetics, and nursing, and those preparing for careers in business and teaching.

Those who successfully complete a four-year curriculum, incidentally meeting the graduation requirements of the college, are granted the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Music Education.

GENERAL AIMS AND OBJECTIVES

La Sierra is a coeducational Christian school. As a liberal arts college it seeks to aid the student in the development of a sound mind in a sound body, to help him to achieve that degree of mental proficiency which will enable him to work efficiently, and to train him to a degree of social competence which will make him a responsible and effective member of society. As a Christian school, the college is concerned with the spiritual welfare of its students, with the development of ideals, of character, and of behavior patterns in harmony with the Biblical specifications of a man of God. The philosophy of education to which the college subscribes is well stated in the words of one of the founders of the Seventh-day Adventist denomination: "Education is but the preparation of the physical, intellectual, and moral powers for the best performance of all the duties of life."

STATEMENT OF OBJECTIVES

In harmony with the conception of education described above, the objectives of the college are defined as follows:

1. *Intellectual Objectives.* The college seeks to develop in its students the ability to do independent and creative thinking and to cultivate in them an acquaintance with the basic facts and principles of the major fields of knowledge, together with a more specialized mastery of one of these fields. Students are expected to develop effective expression in written and spoken English, to acquire an attitude of open-minded consideration of controversial questions, and to develop a continuing intellectual curiosity which will extend through their post-college years.

2. *Spiritual Objectives.* As a church-sponsored institution, La Sierra places large emphasis upon the place of religion in the personal lives of the students. It seeks to establish in the students an unswerving allegiance to the principles of the Christian faith, and a sense of personal responsibility to participate in the mission program of the church. Students are encouraged to develop a distinctly Christian philosophy of life as the basis for the solution of both personal and social problems.

3. *Ethical Objectives.* The college endeavors to lead students to the acceptance and practice of those ethical and moral concepts which are approved by the enlightened conscience of mankind, to develop tolerance toward the rights and opinions of others, and to accept the social obligation of serving humanity and striving for its welfare.

4. *Social Objectives.* The social program is designed to guide students in the development of attractive personalities which will find ready acceptance in a sound social order and which lead to enthusiastic participation in its activities. Students are encouraged to develop an understanding and consistent practice of approved social graces and to participate in recreational activities which contribute to a well-balanced personality.

5. *Aesthetic Objectives.* The college seeks to develop in students an acquaintance with the masterpieces in literature and the fine arts, a knowledge of their historical development, an appreciation of the standards and type of beauty represented by them, and proficiency in their creation and presentation.

6. *Civic Objectives.* The college endeavors to give its students an intelligent understanding of the principles of government and to develop in them a willingness to accept the responsibilities and privileges of citizenship, a recognition of the constitutional rights of other individuals and social groups, a well-founded understanding of the leading domestic and international principles, and a willingness to cooperate in bringing about the improvement of the social order.

7. *Physical Objectives.* The physical education program is designed to give students an intelligent understanding of the principles governing the function and proper care of the body. It seeks also to establish in students a consistent observance of habits and practices which foster maximum physical vitality and health. Emphasis is placed on intelligent recreational use of leisure time and on cooperation with others in the improvement of the physical well-being of society.

8. *Vocational Objectives.* The applied arts program is planned to develop in students an appreciation of the dignity of labor and to give the requisite knowledge and understanding to enable them to choose their vocations intelligently and in harmony with their individual abilities and aptitudes. A program of terminal vocational education is provided which prepares for certain vocational and semi-professional activities. Also offered is preprofessional training prerequisite to admission to specialized professional and graduate studies.

CONDUCT STANDARDS AND CONTROL

It is the purpose of the college to develop strong men and women with the high standards of scholarship and the self-discipline necessary for Christian leadership. The campus government and discipline, therefore, are founded upon the principle that character building is the highest object of education and that a good name, standing for integrity, honor, and godliness, is the objective alike of the student for himself and of the college for him.

REGULATIONS

No religious test is applied, but all students are expected to give respect to the Word of God, to attend religious services, and to abide by the regulations of the college as listed in the student handbook (supplied on request or when the student is notified of his acceptance), or as announced by the faculty. The regulations at La Sierra College have developed from the experience of students and teachers. Each rule and traditional practice is a guidepost directing the student to successful and effective campus living, left there by those who have gone before. *Application and enrollment constitute on the part of the student an agreement and a pledge to honor and observe the habits, manners, and regulations prevailing in the college.*

As the college retains to itself complete freedom of judgment in the admission of a student, so also it must be the sole arbiter of the fitness of the student to continue his residence and study in the school. Any student who does not maintain a satisfactory level of scholarship or who, in the judgment of the faculty or its properly authorized committees, is found to be unresponsive or uncooperative in his relation to the objectives of the college, or unfaithful to his pledge, may be deprived of membership without specific charges.

DEGREES OF DISCIPLINE

Disciplinary actions of the administration and faculty normally follow a pattern based on the seriousness of the infraction of college regulations. These are classed as follows:

Warning: Cautionary admonition (not a matter of permanent record) usually given verbally by the dean to whom the student is responsible.

Censure: Reproof for an infraction of serious magnitude, which becomes a part of a student's record.

Probation: Disciplinary status indicating that a student may be dismissed without further committee action for continued misconduct.

Suspension: Exclusion from the college for a limited period.

Termination at end of semester: Actual dismissal but with permission to complete courses in progress provided the semester is relatively near its close and provided the student's conduct is acceptable during the interim.

Dismissal: Immediate exclusion from the college for an indefinite period.

STUDENT PERSONNEL SERVICE

ORIENTATION

All new students are required to attend the program of orientation which precedes registration each year. This program is conducted to familiarize the student with the traditions, ideals, policies, ethics, and regulations of the college. In return, the college endeavors to become better acquainted with the new students so that its personnel will know how and what to advise in each student's college work.

GUIDANCE

The guidance program of the college is constructed on the basis of the student's high school record, his college entrance tests, and his own needs. Each entering student is assigned to a faculty adviser and is invited to consult him as frequently as he wishes on personal, academic, or religious matters. Beginning with the student's sophomore year, or as soon thereafter as he has chosen a major field for study, his major professor becomes his adviser, and this relationship remains constant until graduation.

PLACEMENT

One of the services of the student personnel program of the college is help toward the appointment of its graduates to positions for which they have prepared. This service to seniors and alumni is maintained without fee or commission. The placement office keeps credentials of the graduates and on request transmits copies of the student's record and recommendations to prospective employers.

RESIDENCE

The greatest profit and enjoyment and the greatest opportunity for full participation in the spiritual, scholastic, and social activities of the college undoubtedly come to the students who live on the campus. Therefore, all unmarried students who do not reside with their parents, close relatives, or legal guardians are expected to live in the residence halls on the campus.

Exceptions are occasionally made for mature and trustworthy students who may, on written request, be given permission to work in approved private homes for their entire room and board.

For information as to room furnishings to be supplied by the student, see the student handbook.

HEALTH SERVICE

It is the purpose of the college to encourage the development of the physical powers as well as the mental and spiritual. The health service is under the direction of a registered resident nurse presiding over well-equipped medical units.

Believing that diet plays an important role in the preservation of health, the college maintains a cafeteria where wholesome food is served and where an effort is made to educate the students in the selection of balanced meals.

PHYSICAL EDUCATION PROGRAM

In addition to providing the health service, the college gives attention to physical fitness through recreational opportunities and through courses designed to strengthen and develop the body. These courses include gymnastics and field exercises, swimming for life-saving as well as for health, body-building recreational activities, and instruction in healthful living.

Since so many college students leave school to follow a sedentary profession, one which usually does not continue body-building and may involve considerable strain on the physical and nervous system, an attempt is made to interest each student in some health-building activity which he will carry over into adult life.

CAMPUS ORGANIZATIONS

Opportunities are offered for growth and experience which leadership in student organizations affords. All campus clubs are governed by a constitution or set of by-laws which have been approved by the college personnel committee.

THE ASSOCIATED STUDENT BODY provides for the cultural, recreational, and spiritual activity of the college, and furnishes a point of contact between faculty and students. All students become members of this organization upon registration.

THE MISSIONARY VOLUNTEER SOCIETY is designed to give opportunity for student expression of Christian ideals. Bands for those interested in medical missionary work, missionary correspondence, literature distribution, and Christian help work are under the direction of this organization.

THE MINISTERIAL FELLOWSHIP is an organization primarily for those men and women who plan to be gospel workers and who wish to begin their service while in college.

THE LA SIERRA COLLEGE CHAPTER OF THE AMERICAN TEMPERANCE SOCIETY is an organization active in combating the liquor and tobacco traffic and in presenting temperance principles to the world. The society is open to everyone interested.

SIGMA PHI KAPPA is a club whose objectives are to encourage an expression of individual ideas and to promote social development among the women of the college.

MU BETA KAPPA is an organization for the promotion of good will and general culture among the men students.

THE ARTS AND LETTERS GUILD is designed to cultivate a greater appreciation of the finer things of life and to provide opportunity for entertaining study of the literary and graphic fine art. The guild offers opportunity to those thus interested to gather periodically in an informal way for mutual enjoyment.

THE LA SIERRA COLLEGE BIOLOGY CLUB aims to further the interests of all students of biology; to unify and promote good fellowship with those who desire personal enrichment through its activities; to engender a love for the wholesomeness of personal contact with the out-of-doors. Club members are encouraged to use the facilities of the department for club-sponsored projects. Membership is open to all biology majors and minors. Others interested may become associate members by invitation.

THE COLLEGE COMMERCIAL CLUB objectives are to foster a spirit of friendliness and cooperation among commercial students, to aid in training for leadership, and to present current developments and problems in business life. The club meetings are divided equally between social and educational activities.

THE FILOMENA CLUB is open to all preclinical nursing students. Its aim is to foster an interest in nursing and to acquaint the student with some of the trends and current problems in her chosen field.

THE INTERNATIONAL RELATIONS CLUB is open to college men and women wishing to participate in study and discussion of the social, religious, and political interrelations of the nations in today's world. The club is a local chapter of an organization sponsored by the Carnegie Endowment for International Peace.

LAMBDA RHO UPSILON endeavors to foster extracurricular interest in the things and aims of chemistry. Membership is open by invitation to students who elect to major in chemistry. Juniors and seniors qualify for active membership, and students below junior standing qualify for associate membership.

LE CERCLE FRANCAIS aims to foster an interest in France and its culture. Although this club is organized primarily for students in the French department, others who are interested in the French language or in French culture are invited to join.

DEUTSCHER VEREIN is a club designed to create among the students of German an interest in and understanding of the German people, their culture, and their contribution to the world's heritage in the field of language, literature, music, and science.

THE PHYSICS CLUB has for its purpose the fostering of interest in physics and its applications in all fields of human activity. Membership is limited to physics majors and minors. Others who have a special interest in this field may become associate members by invitation. Facilities of the physics laboratory and shop are made available for project work sponsored by the club.

THE TEACHERS OF TOMORROW organization is a laboratory school for the enrichment of preprofessional experience in educational thought, leadership, and service. The organization provides an opportunity for future teachers to gain a practical knowledge and appreciation of their chosen profession, its purposes, its possibilities, its

problems, and its leaders. This club was the first of its kind to be organized within the General Conference Educational Department, and the name originated on the La Sierra campus.

THE COLPORTEUR CLUB promotes interest in colporteur evangelism. All students interested in the aims of this organization are eligible for membership.

THE PHOTOGRAPHY CLUB, with its membership composed of those with some experience and much interest in things photographic, serves the double purpose of providing a hobby activity and making permanent pictorial records of important events of the school year.

THE RADIO CLUB has for its purpose the increasing of knowledge and skill in short wave communication. The club maintains transmitting and receiving equipment for the use of its members.

PUBLICATIONS

THE COLLEGE CRITERION. The college weekly newspaper is written and edited by students and is the official publication of the Associated Student Body.

THE METEOR. The yearbook is also written and edited by the students. Its purpose is to present a picture and story of campus life at La Sierra College.

LA SIERRA COLLEGE BULLETIN. The BULLETIN is published at stated times during the year, giving information about the college, its departments, plans, and work. The catalog issue, an annual number, shows the organization of the college, course offerings, financial information, board members, faculty, other staff members, and graduates.

MISCELLANEOUS INFORMATION

THE SUMMER SCHOOL

The college conducts two summer sessions of six weeks each. For information write to the dean of the college for the summer sessions BULLETIN.

THE PREPARATORY SCHOOL

The college has connected with it a fully accredited academy or preparatory school. For information write for the BULLETIN of La Sierra College Preparatory School

COMMUNICATIONS

The mail address of the college is: La Sierra College, Arlington, California.

The telephone number is Riverside 9180. After 6:00 p.m. and on Sabbath (Saturday), call the following numbers: President, Riverside 9277; Dean, Riverside 9853; Manager, Riverside 9-1124; Dean

of Men, Riverside 9261; Dean of Women, Riverside, 9267. Student telephones: Angwin Hall, Riverside 9432; Calkins Hall, Riverside 9433; Gladwyn Hall, Riverside 9424; Mu Beta Kappa, Riverside 9787.

The telegraph and express addresses are the same as the mail address.

Tickets over the Santa Fe or the Southern Pacific may be purchased to Arlington; over the Union Pacific, to Riverside.

ALUMNI ASSOCIATION

The purpose of the La Sierra College Alumni Association is to promote a spirit of fraternity among the alumni and to maintain their interest in the college.

OFFICERS

Milton Murray, '49, president
Robert Lorenz, '51, vice-president
Wilfred Airey, vice-president
Earl Gillespie, '50, secretary
Cloey Murray, '50, assistant secretary
Clarence M. Laue, '48, treasurer
Virginia Proctor, editor, Alumni News

ACADEMIC STANDARDS

ADMISSION

APPLICATION PROCEDURE

La Sierra College follows a policy of selective admission. The chief factors considered in determining eligibility are: (1) character, (2) citizenship reputation, (3) scholarship. Formal application is made on blanks supplied by the college, accompanied by a fee of \$2 and a picture of the applicant. This application should be on file at the college at least thirty days before the student desires to enter. *Under no circumstances should a student come to the college before he has had formal notice of acceptance by the Admissions Committee.*

The applicant should request the registrar of the school last attended to submit directly to the Office of Admissions an official transcript of record indicating all previous secondary school and college work. It is the responsibility of the applicant to see that such credentials are sent to La Sierra College at the time application is made. Students whose transcripts are not on file at the time of registration may be given provisional admission for a period not to exceed one month, pending receipt of transcript.

All correspondence concerning admissions should be addressed to Admissions Secretary, La Sierra College, Arlington, California.

When a student who plans to live in one of the residence halls receives notice of acceptance, he should send \$10 for a room deposit, as *notice of acceptance does not automatically reserve a room in the school homes*. When the student registers, the room deposit is applied on his entrance charges.

ADMISSION PROCEDURES

ADMISSION TO FRESHMAN STANDING

Graduates of accredited secondary schools may be admitted as regular college students upon presentation of an official transcript certifying completion of 16 units with an average grade no lower than C (where the passing grades are A, B, C, D).

Although the pattern of subjects required for entrance is not rigidly prescribed, it is recommended that the prospective college student give primary emphasis in his high school program to the subjects which are considered especially valuable as preparation for enrollment in a liberal arts college, with particular attention to the prerequisites of the field in which he intends to concentrate.

ADMISSION BY EXAMINATION

Graduates of unaccredited secondary school, or graduates who, through no fault of their own, are unable to furnish complete credits may qualify for freshman standing by passing such examinations as shall be determined by the Academic Policies Committee. These examinations should be taken before the student completes his registration.

PROVISIONAL ADMISSION

Applicants who in the opinion of the Committee on Admissions are qualified to carry college work but who do not fulfil the specified pattern for regular admission may be admitted subject to advisement regarding their curriculum content. Entrance deficiencies must be removed or provided for before the close of the first year of college registration. In many instances deficiencies may be removed by carrying specified courses on the college level.

ADMISSION TO ADVANCED STANDING

A transfer student wishing advanced standing must present to the registrar an official transcript of record and a certificate of honorable dismissal from a school of recognized collegiate rank. He must have a grade average of at least C in acceptable liberal arts credits. Advanced standing is provisional for the first semester in residence. During this semester the student must maintain an average grade of at least C in order to achieve full standing. No portion of a college record may be omitted by the student applying at La Sierra College for advanced standing.

ADMISSION OF VETERANS

Veterans' applications are considered on the same basis as those of other students. Since many service units have only a temporary life, it is the responsibility of the veteran to have and present official certificates describing any service-connected education for which college credit is desired. Such credit will be allowed on the basis of recommendations found in the *Guide* of the American Council on Education, or in the recommendations of the California Committee. All requests for the evaluation of service-connected education credits should be addressed to the registrar of the college.

Veterans who have not met all formal requirements for admission will be given careful consideration. Those who give evidence of ability to carry college work may be admitted as special students and permitted to remove as many as possible of their high school deficiencies on the college level, afterwards being given regular standing. Those who wish to accelerate their progress toward graduation are encouraged to register in the summer sessions.

CLASSIFICATION OF STUDENTS

CLASS LEVEL

A student carrying the minimum residence requirement of 12 semester credit hours will be admitted to sophomore standing after successfully completing 28 semester hours, and to upper biennium standing after completing (1) 50 hours of lower biennium courses with at least a 1.0 (C) average and with all lower biennium requirements completed or in the current registration, or (2) 56 hours of lower biennium courses with at least a 1.0 average and with all lower biennium requirements except 12 hours, which must be completed before senior standing is granted, or (3) 60 hours of lower biennium courses with at least a 1.0 average.

A student is eligible for membership in the organized junior class only if he is carrying to completion at least ninety-two semester hours of credit, has at least 1.0 average, and has a reasonable expectation of completing the requirements for a baccalaureate degree within two semesters after the completion of the junior year. After completing ninety-two hours in an acceptable and appropriate program of studies with at least a 1.0 average, the student is eligible for senior standing and may file application with the registrar for degree candidacy.

College seniors will not be given credit for freshman courses taken in the senior year even though they are required. All such courses must be taken before the student reaches senior standing.

SPECIAL STUDENTS

Students wishing to follow a course of study of their own choosing may be admitted as "special" if the dean of the college is satisfied that their maturity and scholastic background merit admission.

ACADEMIC REGULATIONS AND PRACTICES

REGISTRATION

The college has appointed two Welcome Days at the opening of the year for freshmen. The purpose of these days is to introduce the freshman to school life and to help him plan his program. Attendance of all freshman students is required, the only exception being those students who have attended La Sierra College a year but who do not have sufficient credits for sophomore standing. During Welcome Days certain required tests are administered to the freshman, the results of which aid the advisers in their work of counseling and registering the students.

Other students are expected to be present for the regular registration days, which immediately follow freshman registration.

Regular registration is permitted for the first two weeks of the winter semester and for the first three days of the summer sessions. Students wishing to enter later must meet the following stipulations: (1) they must secure permission from the president or dean; if the permission is granted, they must (2) pay a late registration fee of \$5.00; (3) submit to a reduction of class load by one credit hour for each week they are late, including the first two; (4) make up the work missed in the classes to which they are admitted. Counting from the opening of the semester, no student will be accepted for regular class work after four weeks of the winter semesters or three days of the summer sessions.

ENTRANCE APTITUDE AND PLACEMENT TESTS

Freshman and students new to La Sierra College for whom aptitude and placement scores are not available are required to take tests that provide such scores before they register. The tests are to be taken on designated days. The college reserves the right to control the scholastic program of the student on the strength of the test

returns, as checked against his scholastic record at the time of entering.

All lower division students entering La Sierra College for the first time and all other students who do not have credit in Freshman English from some other college are required to take the English Placement Test. The purpose of this examination is to test the student's ability to write the English language acceptably, demonstrating a knowledge of spelling, grammar, punctuation, and sentence structure. Students who are low on the English Placement Test will be required to enroll in course English OA, Functional Grammar and Language Elements, and to pass a satisfactory examination in the subject before being eligible for Freshman English 1-2.

CLASS LOAD CONTROL

No student will be permitted to take more than 16 semester hours and one-half hour of physical education except by petition. Permission may be granted for 17 semester hours and one-half hour of physical education only if the student has maintained during the preceding semester of residence a minimum grade point average of 1.5; or 18 semester hours and one-half hour of physical education with a minimum grade point average of 2.0 The student will be asked to lessen his class load during the semester if he does not maintain a grade point average of at least 1.0 Under no circumstances does the college permit a student to carry more than 18 semester hours and one-half hour of physical education

SCHOLARSHIP PROBATION

A student not maintaining at periodic checking times a grade point average of 1.0 is liable to scholarship probation. This means that his scholastic schedule and habits are subject to review by his counsellor, the guidance director, and the dean of the college. He may be called upon to reduce his class-hour load, curtail extra-curricular activities, improve study methods, or be advised to change his curriculum, or be put on scholarship probation. A student on scholarship probation for two consecutive semesters may be notified, depending upon the evidence of improvement as shown in his most recent semester and degree of his delinquency, that his registration at this college is not profitable to him. A student who has been dropped from registration because of this policy may be readmitted only when there is evidence that the cause of the poor scholarship has been removed. By advisement and administration, the college uses every means at its command to help students do their best work and realize their ambitions.

PROGRAM CHANGES

A student already enrolled may change his program of studies for sound academic reasons during the first week of a regular semester with the consent of the instructor, the adviser, and the dean of the college. Courses may be dropped during the first six weeks on the same basis. After the first six weeks of a semester, courses dropped

will be recorded as failures (Wf), unless the student is forced to drop because of circumstances beyond his control, in which case, if his grade was passing at the time of withdrawal from the class, he may be granted a passing withdrawal (Wp) by the dean of the college.

SPECIAL EXAMINATIONS

Under unavoidable circumstances, such as the illness of the student, missed examinations may be made up after advance arrangements have been made with the instructor and a permit secured from the business manager, who is authorized to collect a fee of \$3 for each such permit.

PRIVATE WORK AND CORRESPONDENCE

No student may teach or take private school work or correspondence courses while enrolled at the college without securing permission in advance from the dean of the college. Six lower division hours are the permissible maximum for credit. No such permission can be granted for courses to apply on the major or minor or in the upper biennium. Credits earned in violation of this regulation will not be honored by the college. Credits earned by correspondence after failure in the same course at La Sierra College will be honored only after the successful passing of a comprehensive examination over the course given by the appropriate instructor in the college. Credits out of harmony with these regulations, including unauthorized summer work, will not be honored by the college. Tutoring service is arranged by the staff with the consent of the Academic Policies Committee.

TRANSFER CREDITS

Credits from schools outside the United States and its dependencies will be sent to the United States Office of Education for evaluation.

A student transferring credits from another institution must earn a C average computed separately on work taken at La Sierra College in order to qualify for graduation or certification.

Credits earned at another institution will not be issued as transfer credits accepted by La Sierra College until the student has completed a minimum of one year in successful residence at La Sierra.

CLASS ATTENDANCE

Regular attendance at all classes and chapel exercises is required of all students. A leave of absence does not excuse from any college class, and no unexcused absences are allowed without penalty.

THE SEMESTER HOUR

The semester hour is the unit of credit earned by attending one fifty-minute class period a week for one semester of eighteen weeks and satisfactorily meeting the course requirements, credit for each

such hour being based on the standard of two hours of preparation for each class period. Three clock hours of laboratory each week, or three fifty-minute periods each week in classes not requiring outside preparation, continued for one semester, are valued at one semester hour of credit.

THE GRADING SYSTEM

Grade reports and scholastic credit are given in letter grades, as follows:

Grade	Grade Points per Semester Hour
A (excellent)	3
B (above average)	2
C (average)	1
D (inferior)	0
F (failure) .....minus	1
E (warning)	
I (incomplete) (Becomes a failure if not removed within nine weeks after the close of the nine-weeks period or semester.)	
Wp (withdrew passing)	0
Wf (withdrew failing) .....minus	1

SCHOLARSHIP REPORTS

Reports showing progress grades are issued by the registrar after the mid-semester examinations. Semester grades are issued by the registrar and recorded for permanent reference.

GRADUATION STANDARDS

DEGREES AND CERTIFICATES

La Sierra College holds membership in the Western College Association, the Northwest Association of Secondary and Higher Schools and is chartered by the State of California to bestow appropriate literary honors upon its graduates, including the baccalaureate degrees. The college confers the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education.

The BACHELOR OF ARTS degree is conferred upon students who have fulfilled the general and basic requirements for graduation, with a major field of concentration and the prescribed cognates.

Students may select a major from the following:

Biology	Music
Business Administration	Physics
Chemistry	Religion
Elementary Teacher Education	Secretarial Science
English	Social Science
French	Speech
History	Theology
Home Economics	Visual Arts

Minors may be secured in the same fields as the majors (except in Theology) and in addition may be secured in the following fields:

Agriculture	Mathematics
Biblical Languages	Physical Education
Building Construction	Secondary Education
German	Spanish
Journalism	

The BACHELOR OF SCIENCE degree is conferred upon a student who completes in a satisfactory manner one of the professional curriculums appearing in this BULLETIN or approved by the Academic Policies Committee. Curriculums are in the following fields:

Building Construction	Home Economics
Business Administration	Nursing Education
Elementary Teacher Education	Secretarial Science

The BACHELOR OF MUSIC EDUCATION degree is offered for those who wish to teach in the field of music. Requirements of the curriculum are listed on pages 81 and 82.

The college also grants certificates to students completing junior college preprofessional and terminal curriculums.

THE BACCALAUREATE DEGREES

To prepare for a baccalaureate degree, the student must meet specified standards as to college entrance and amount, grade, and distribution of work in the particulars indicated below.

A. ENTRANCE REQUIREMENTS

Graduates of accredited secondary schools may be admitted to curriculums leading to the degrees of Bachelor of Arts, Bachelor of Science, or Bachelor of Music Education upon presentation of an official transcript certifying completion of a minimum of 16 units with at least a C average scholarship record distributed as follows:

- a. English 3 units
- b. At least 1 unit from each of the following fields:
 - (1) Mathematics
 - (2) Natural Science
 - (3) Social Science
- c. Additional units to make a minimum of two units in each of two fields selected from the following:
 - (1) Social Science
 - (2) Foreign Language
 - (3) Mathematics
 - (4) Natural Science
- d. Not more than 4 units of the 16 may be in any one field.

B. OVERALL REQUIREMENTS

1. The completion of the entrance requirements.
2. The completion of a total of 128 semester credit hours, of which at least 40 must be in the upper biennium.
3. Grade points equal to the total number of credit hours, that is, a minimum over-all average of C.
4. Satisfaction of the minimum residence requirements:
 - a. The candidate for a degree must attend La Sierra College for two semesters or three summer sessions and earn a minimum total credit of 24 hours.
 - b. At least 24 of the last 30 hours must be earned at La Sierra College.
 - c. At least 8 hours in the major field and 4 hours in the minor field (if a minor is to be designated) must be earned at La Sierra College.
5. A major concentration (see below) with prescribed cognates, as indicated for the particular major elected by the student. (Minors are outlined for those who need them for teacher certification or for other reasons.) *No grade below C may be counted on a major or a minor.*
6. Approval of the candidate for a degree by the faculty as to character and citizenship, in addition to scholarship.
7. Completion of the General Education and other basic requirements of the Bachelor's degree. (See below.)

BACHELOR OF ARTS DEGREE: CURRICULUM ORGANIZATION

C. GENERAL EDUCATION REQUIREMENTS

"General Education," coming mainly during the two first years, is recognized as basic in degree requirements at La Sierra College. The courses are so organized as to give the student a general grasp of those fields of knowledge regarded as significant in liberal arts education. The curriculum prescribes most of these courses in the freshman and sophomore years in order to provide an enrichment of the student's intellectual equipment and to give him balance and orientation for his major concentration and other upper division classes. Room is left in the first two years for electives and lower division requirements for the majors. The prerequisites for a few majors substitute for certain General Education courses, as indicated in the curriculums outlined for the departments concerned. Part of the General Education requirements may be elected from upper division literature and fine arts.

The classes listed here for the first two years have General Education as their main objective. Those marked with an asterisk are required and are normally to be taken in the indicated year.

<i>Freshman Year</i>	<i>Hours</i>
*Religion 1, 2 (Life and Teachings of Jesus)	4
*History of Western Civilization	6
*Freshman English	6
Psychology (elective)	3
Beginning Language	6
(Not required if the student has two entrance units in one foreign language and aims to continue the same language in college.)	
*Physical Education	1
 <i>Sophomore Year</i>	 <i>Hours</i>
*Religion (Courses 51, 52 or 71, 72)	4
*American History and Institutions	6
(Course so organized as to meet all state requirements in constitution and government.)	
*Intermediate Language	6
(The first semester of this may not be taken for credit if the student presents three units of college entrance credit in this language.)	
*Health Principles	2
*Fine Arts (Course 57, 58)	4
*Basic Science (See course 63 and 64 on page 44)	8
(Substitutions allowed for those who need equivalent number of hours in lower division chemistry, physics, biology as prerequisite to their major concentration.)	
*Physical Education	1

D. MAJOR CONCENTRATION

Not later than the end of the sophomore year the student should decide on a field for emphasis during his upper biennium. This is known as his "major concentration." Each department

has outlined the sequence of courses required in the department for such concentration (or major) with prescribed cognates from related areas. These are printed in this issue of the BULLETIN in connection with the respective departmental pages. The departments assign an adviser to each student major to counsel him in his schedule of studies and generally to help him toward satisfactory achievement.

E. BASIC COMPLETION

In addition to the General Education but including Major Concentration (with indicated cognates), degree requirements call for completion of course hours in specified areas, according to the plan here indicated:

1. Religion: At least 4 hours in the upper biennium, which may include a maximum of 4 hours in applied theology or religious history.
2. Social Science: 3 hours, courses chosen from Psychology 5, Geography 52, Economics 1-2, sociology, or political science. Within his sequence of courses the student is expected to meet all state requirements in United States Constitution or government. This may be done by conforming to any one of the following patterns:

Pattern I. History 1, 2; History 91, 92.

Pattern II. History 1, 2; History 92; Political Science 55; and Political Science 58 or History 112.

Pattern III. History 1, 2; History 91; Political Science 57; and Political Science 58 or History 112.

A student may waive the American History, the United States Constitution or government, the California government, any or all of these, by passing a waiver examination not later than the end of the sophomore year. Students planning to take these examinations should obtain suggested readings from the respective department before attempting the examinations.

The waiving of these requirements will allow replacement of some of the General Education hours, American History and Institutions (91, 92), with additional courses in history or the other social sciences.

3. Language, Literature, Speech:
 - a. English: 8 hours, including at least 4 hours of literature; may include 4 hours of speech.
 - b. Foreign Language: 2 hours in the same language as the General Education foreign language.
4. Applied Arts: 4 hours, the student to select from Home Economics 7, 8; 51, 52; 59; Building Construction 11-12; 27, 28; Agriculture 7, 11, 27, 67, 81, 84; maximum of 2 hours selected from Secretarial Science 5, 6; 57, 58.

BACHELOR OF SCIENCE DEGREE

Requirements for the Bachelor of Science degree are the same as those for the Bachelor of Arts degree except that foreign language and the fine arts are not required. The Bachelor of Science degree may be obtained in the following fields:

Building Construction	Home Economics
Business Administration	Nursing Education
Elementary Teacher Education	Secretarial Science

BACHELOR OF MUSIC EDUCATION DEGREE

See pages 81 and 82 for requirements of this degree.

DEFINITION OF MAJOR AND MINOR

A major is defined as a subject concentration of thirty semester hours, or more if so stated in the description of departmental requirements, of which at least fourteen must be in the upper biennium.

The minor is defined as a subject concentration of eighteen or more semester hours, of which at least nine must be in the upper division unless otherwise specified in the departmental requirements.

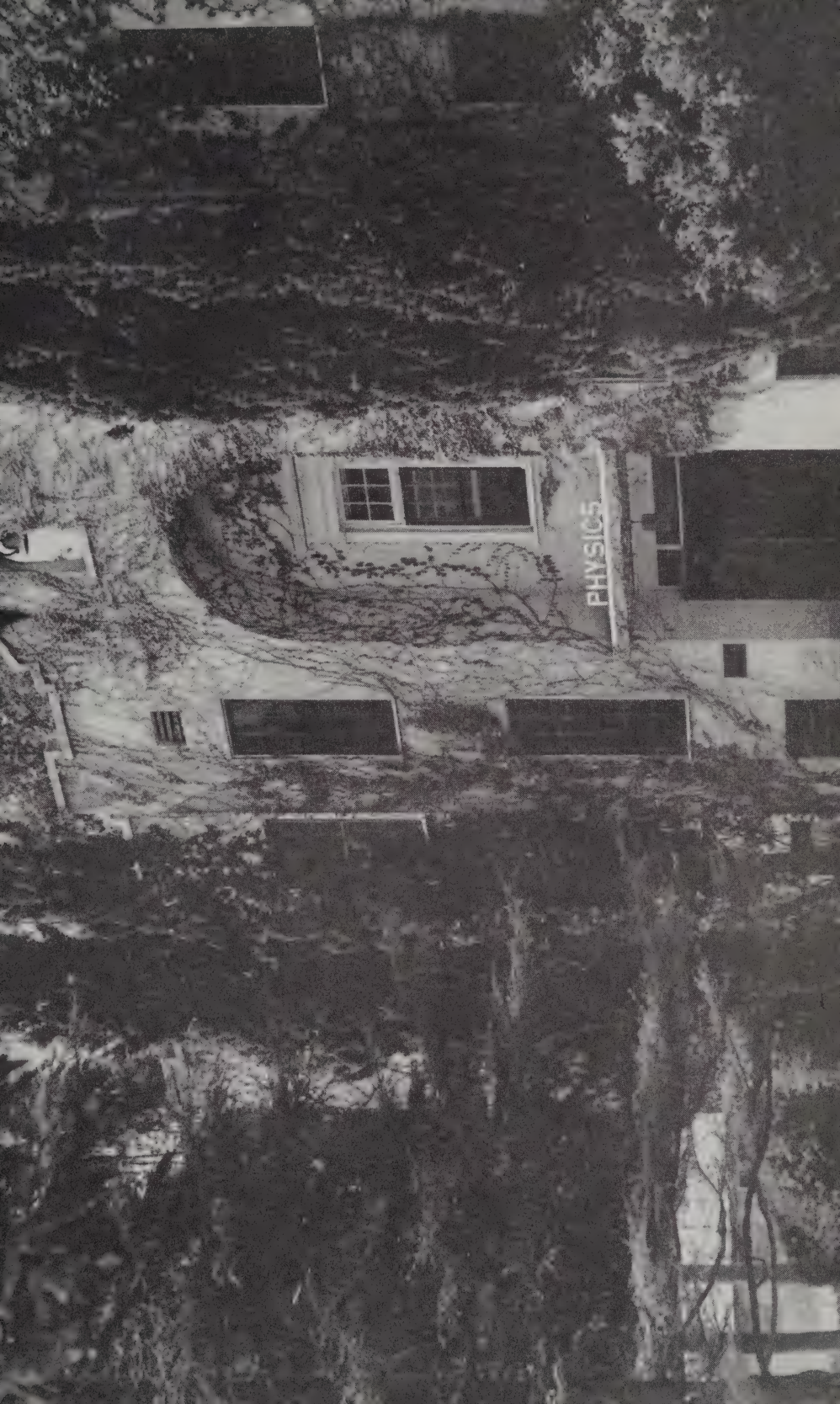
BULLETIN OF GRADUATION

A student may be graduated, provided he does not break residence by as much as a continuous year, under one of these bulletins:

- a. The bulletin he enters under
- b. The bulletin of his junior year
- c. The bulletin of his senior year

If a student breaks residence by as much as a continuous 12-months year, he then may not be graduated under the bulletin of any year previous to his re-entry.

The responsibility for fulfilling the graduation requirements rests primarily with the candidate for a degree.



PHYSICS







DIVISIONS OF INSTRUCTION

Available majors and minors are listed in their respective sections. Of the courses listed, those marked with an asterisk (*) will be offered in 1955-1956; those without this mark will be offered in 1954-1955 if in sufficient demand. Courses marked with the double asterisk (**) are offered as needed by minors or majors, and then only by special arrangement.

The college reserves the right to withdraw a lower biennium class offering for which fewer than ten students have registered.

Courses carrying hyphenated numbers are two-semester courses and must be taken for both semesters before credit can be applied toward any curriculum. Course numbers separated by a comma may be taken for one semester and the credit applied as a complete unit.

Freshman courses are numbered 1 to 49, sophomore courses from 50 to 99. Courses numbered 100 and above are open only to students who qualify for studies in the upper biennium.

The divisions are:

- I. THEOLOGY, RELIGION, AND COGNATE STUDIES
- II. SCIENCE AND MATHEMATICS
- III. SOCIAL SCIENCES
- IV. EDUCATION
- V. LANGUAGE AND LITERATURE
- VI. MUSIC AND ART
- VII. APPLIED ARTS
- VIII. BUSINESS AND SECRETARIAL SCIENCE

DIVISIONS OF INSTRUCTION

I

THEOLOGY, RELIGION, AND COGNATE STUDIES

EDWARD HEPPENSTALL, *Chairman*

NORVAL F. PEASE

J. CECIL HAUSSLER

WALTER F. SPECHT

The objectives of this department are these: to foster in students a sense of personal responsibility to God; to lead them into a clear understanding and appreciation of the fundamental doctrines of the church and to an articulate expression of Christian faith; to develop in students ability and spiritual techniques for participation in the organized work of the church, either as official workers or as laymen; to train them to participate in the building of a Christian community, to meet the spiritual, moral, social, and physical needs of men and women everywhere, and to carry the gospel to all the world; to ensure a sound basis for graduate study.

Theology Major Requirements: 42 hours, of which a minimum of 20 must be in the upper biennium. Required courses, cognates, and information concerning the fifth year at the Seminary are listed on page 102. All those desiring recommendation for ministerial internships must major in Theology.

Religion Major Requirements: 30 hours, of which a minimum of 18 hours must be in the upper biennium. Required courses: Religion 71 or 105; 72 or 106; 51, 52 (or 151, 152); 56 or 115; 109 or 110; 161 or 162. A maximum of 4 hours in applied theology and 6 hours in religious history will be counted towards a major. Required cognates: Religious history 141 or 142; elective religion, 3 hours. Recommended electives: Religion 161 or 162; 109 or 110; 171, 172; 118; Religious History 101, 134; Greek; Biology 182; History 103, 104; Education 101 and 107; English 160; Speech 131 and 132; Secretarial Science 5 or 6.

Religion Minor Requirements: 18 hours, including the basic requirements in religion, and Religion 56 or 115. A minimum of 9 hours must be in the upper biennium. A maximum of 4 hours in applied theology or religious history may apply.

RELIGION

1, 2. LIFE AND TEACHINGS OF JESUS

A study of the teaching principles, methods of labor, and analysis of the teachings and miracles of Jesus with their application to present-day conditions and needs. Four Hours

51, 52. BIBLE DOCTRINES

A series of studies on the fundamantals of the Seventh-day Adventist faith, with particular emphasis on Christ and His work in relationship to all other tenets of faith as "the great truth around which all other truths cluster." Four Hours

56. SPIRIT OF PROPHECY

A creative study of the prophetic gift in its operation in the church, and the relation of its truths, principles, and standards to life problems. For non-theology students only. Two Hours

71. PROPHECIC INTERPRETATION I

The historical and prophetic study of the book of Daniel, tracing the rise and fall of world empires until the final establishment of God's kingdom on earth, with special emphasis on the atonement, judgment, and return of our Lord. Two Hours

72. PROPHECIC INTERPRETATION II

A study of the Revelation in which the whole Bible is gathered together and made to focus on Jesus Christ, His church being seen in its conflict with the forces of evil and apostasy through the ages and in its ultimate triumph. Two Hours

105. DANIEL

An advanced study of Daniel, the objections of and answers to the critics of the Book of Daniel, and particular emphasis and detailed study of the prophetic parts of Daniel. Two Hours

106. REVELATION

An advanced study, particularly applicable to those who are looking forward to the ministry, with emphasis upon eschatology. Three Hours

109, 110. OLD TESTAMENT PROPHETS

An analytical and exegetical study of the Hebrew prophets with careful attention to their historical setting and with special consideration of the eternal principles and practical values of their messages for today. (First semester: Prophets of the eighth century B.C.; second semester: Prophets of Judah, the exile, and the Restoration.) Six Hours

115. GIFT OF PROPHECY

A course dealing with the Gift of Prophecy in its relation to the origin and progress of the church and its work from its inception to the present time. Three Hours

132. ESCHATOLOGY*

The intensive study and chronological organization of the closing events as presented in the Spirit of Prophecy. Offered on alternate years. Prerequisite: 56 or 115. Three Hours

151, 152. FUNDAMENTALS OF FAITH

A study of fundamental Bible doctrines, particularly the five pillars of Adventist faith, and their relation to the great controversy and personal salvation. Four Hours

161, 162. NEW TESTAMENT EPISTLES

An exegetical study of the Pauline Epistles. The object is to train the student in correct analysis and interpretation of Scripture, with special emphasis on the great truths, historical background, and theological concepts. Six Hours

171, 172. PHILOSOPHY OF RELIGION

An examination of the history and development of religious philosophy with particular emphasis upon Christian philosophy and an evaluation of it. An examination of the Christian concepts of God, creation, nature of man, salvation, and immortality. Four Hours

APPLIED THEOLOGY

113. HEALTH EVANGELISM

A survey of the principles of healthful living and the use of these fundamental laws of health for evangelism. May be taken only by theology and religion majors. May be applied as credit in health only.
Two Hours

122. PASTORAL COUNSELING*

Christian psychiatry applied to the techniques of counseling; the minister's responsibility in the application of therapy. For prospective ministers and social workers. Offered on alternate years. Two Hours

127. HOMILETICS

A thorough study of the methods of sermon construction with a detailed application of the analytical and synthetical methods to texts and chapters. Twenty methods in the formation of sermon outlines. Training in platform personality and delivery. Field work in the surrounding local churches.
Three Hours

128. HOMILETICS

A careful consideration of ministerial ethics, the elements of worship and church organization. How to conduct such special services as baptisms, the Lord's Supper, weddings, funerals, ministering to the sick, etc.
Three Hours

137, 138. EVANGELISM

A study of the fundamental principles of soul-winning in all of its phases. Special attention is given to planning, preparing, organizing, advertising, and conducting evangelistic meetings. Opportunity will be given for practical experience in an actual series of meetings under supervision. Members are eligible for this class only on the recommendation of staff members.
Prerequisites: Religion 51, 52 (or 151, 152) and 127. Four Hours

RELIGIOUS HISTORY

101. ARCHAEOLOGY*

A study of the technique of archaeology and its methods, and a survey of the excavations and discoveries in Bible lands with a view to making clear the setting of many of the incidents of the Bible; to provide additional light on and confirmation of the word of God. This course may be applied on degree requirements.
Two Hours

118. MISSIONS AND MISSION PROBLEMS

A study of world missions in prophecy and history. Special stress is given to the problems, methods, and policies of mission work under present-day conditions. This course may be applied on degree requirements. Offered on alternate years.
Three Hours

134. MANUSCRIPTS OF THE BIBLE*

A course showing God's particular care in preserving manuscripts and versions of the Bible. The formation of the canons of the Old and New Testaments, translations, and revisions of the Bible constitute the chief fields of study in this course.
Two Hours

141, 142. HISTORY OF THE CHRISTIAN CHURCH

The development of the Christian church with emphasis upon the story of the true church, the rise and development of the Papacy, the Protestant Reformation, with the subsequent break-up of Protestantism, and the origin of modern denominations. First semester of this course may be applied on a religion major but may not be applied on a Religion minor.
Six Hours

BIBLICAL LANGUAGES

Minor Requirements: 20 hours, of which a minimum of 6 must be in the upper biennium. Before enrolling in Greek courses numbered 100 or above, a student must have completed 12 to 14 hours or the equivalent in that language

7-8. BEGINNING NEW TESTAMENT GREEK

A study of the elements of the Greek language in the vernacular koine of the first century, A.D.; readings from the Gospel and Epistles of John. Eight Hours

65-66. INTERMEDIATE NEW TESTAMENT GREEK

A course in translation and grammatical interpretation of selected readings from the Gospels, the Apocalypse, and the Acts of the Apostles. Further study of the syntax, vocabulary, and Greek idiom of the New Testament. Six Hours

145. THESSALONIANS AND CORINTHIANS

Reading and exegetical study of the Greek text of the leading passages of these great letters with special attention to the historical, grammatical, and textual questions involved. Three Hours

146. GALATIANS AND ROMANS

Reading the exegesis of the Greek text with emphasis upon the textual, syntactical, and historical questions involved. Three Hours

149. TEXTUAL CRITICISM OF THE NEW TESTAMENT

A study of the materials, methods, and history of New Testament textual criticism, with practical exercises using microfilms and facsimiles of manuscripts. Three Hours

155, 156. BEGINNING HEBREW

An introduction to the elements of the Hebrew language; readings from the book of Genesis. Six Hours

158. GENERAL EPISTLES*

An exegetical study of the Greek text of the epistles of James, Peter, Jude, and John with attention to the historical, syntactical, and textual problems involved. Three Hours

CURRICULUM FOR THEOLOGY MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) .	2	2
Beginning New Testament Greek (Biblical Languages 7-8)	4	4
Freshman English (English 1, 2) . . .	3	3
General Psychology (Education 5) . . .		3
Applied Arts	2	2
History of Western Civilization (History 1) .	3	
Speech	2	2
Freshman Physical Education (Physical Education 7, 8) $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

SOPHOMORE YEAR

Bible Doctrines (Religion 51, 52) . . .	2	2
Intermediate New Testament Greek (Biblical Languages 65-66)	3	3
General Education Basic Science (Science 63, 64)	4	4
American History and Institutions (History 91, 92)	3	3
Literature	2	2
Electives	2	2
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

JUNIOR YEAR

Homiletics (Applied Theology 127, 128) .	3	3
New Testament Epistles (Religion 161, 162)	3	3
History of the Christian Church (Religious History 141, 142)	3	3
Gift of Prophecy (Religion 115)	3	
Health Evangelism (Applied Theology 113) .		2
Fine Arts	2	2
Electives	2	3
	16	16

SENIOR YEAR

Old Testament Prophets (Religion 109, 110) .	3	3
Daniel and Revelation (Religion 105, 106) .	2	3
Philosophy of Religion (Religion 171, 172) .	2	2
Evangelism (Applied Theology 137, 138) .	2	2
Speech	2	
Electives	5	6
	16	16

CURRICULUM FOR RELIGION MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
Beginning Language	3	3
(Not applicable to those who present two units of language from the secondary level of the one chosen.)		
History of Western Civilization (History 1, 2)	3	3
Applied Arts	2	2
Speech	2	2
Freshman Physical Education (Physical Education 7, 8) ½	½	½
	15½	15½

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
Intermediate Language	3	3
General Psychology (Education 5)	3	
General Education Basic Science (Science 63, 64)	4	4
American History and Institutions (History 91, 92)	3	3
Electives	1	4
Physical Education	½	½
	16½	16½

JUNIOR YEAR

New Testament Epistles (Religion 161, 162)		3
Gift of Prophecy (Religion 115)	3	
Literature	2	2
Fine Arts	2	2
Electives	9	9
	16	16

SENIOR YEAR

History of the Christian Church (Religious History 141) . 3		
Old Testament Prophets (Religion 110)		3
Daniel and Revelation (Religion 105, 106 or Fundamentals of Faith (Religion 151, 152)	2	2-3
Health Evangelism (Applied Theology 113)		2
Electives in Major Concentration	2	2
Electives	9	6-7
	16	16

II

SCIENCE AND MATHEMATICS

JULIAN L. THOMPSON, *Chairman*

Biology

DONALD M. BROWN
LLOYD E. DOWNS
ELMER WIDMER

Physics

JULIAN L. THOMPSON
LESTER H. CUSHMAN
JAMES RIGGS

Chemistry

WILLIAM D. LEECH
LUELLA L. KRETSCHMAP
H. RAYMOND SHELDEP
MAHLON C. TATRO

GENERAL EDUCATION BASIC SCIENCE

63, 64. NATURAL SCIENCE

This is the science course which should normally be chosen by the student not intending to make any natural science his field of major concentration.

The first semester deals with the relation of the earth to the rest of the known universe, the characteristics of its surface and its resources of materials and energy. The second semester is a study of the environments necessary for various types of living organisms, and the processes of life as seen in plants and animals, related to the science field. Eight Hours

BIOLOGY

The objective of this department is to use its facilities to achieve an understanding of nature and natural law. The courses are designed to stress scientific methods and disciplines in reaching rational and logical conclusions and to provide offerings from which to choose for personal enrichment or for high professional attainment. The student is motivated through the impelling attraction of learning about living things. Along with the teacher, he learns to appreciate the mystery of life, while his attention is turned to the Author of life.

Major Requirements: 30 hours. If plant science is chosen as the field of concentration, the following courses are required: 11, 12, 15, 58, 153, 182 (or 185), and additional plant science upper biennium, electives to complete 30 hours. If Zoology is chosen as the field of concentration, the following courses are required: 11, 15, 16, 58, 153, 182 (or 185), and additional zoology upper biennium electives to complete the 30 hours. If general biology (botany-zoology mixture) is chosen, the student may select either of the above groups of required courses and additional upper biennium electives from both fields to complete the 30 hours.

Electives for any combination must have the approval of the head of the department.

Cognate requirements: Chemistry 5-6 and either Chemistry 115-116 or Physics 51-52 (both are highly desirable, as is also Chemistry 134 and 155-156).

Students planning graduate work in biology may need additional hours of undergraduate work in biology and chemistry.

Biology majors should take German or French to meet the language requirement.

Courses 2; 5, 6; and 8 cannot apply on a major.

Minor Requirements: 18 hours. The student may choose one of the following groups of required courses: *Group 1.* Biology 11, 12 (or 15, 16); 8 or 58, plus 6 hours from the upper biennium. *Group 2.* Biology 2; 5, 6; 8 or 58, plus 4 hours from the upper biennium.

Electives for the minor must have the approval of the head of the department.

GENERAL BIOLOGY COURSES

Courses 2, 8, 51, 182 and 185 may be taken by the general college student without prerequisite.

2. INTRODUCTORY BIOLOGY

For the general college student whose interests are not primarily in science but who wishes to have an application of biology in relation to his environment. Laboratory: three hours each week. Four Hours

8. MICROBIOLOGY

A study of microorganisms for general students. Includes the study of bacteria, yeasts, molds and pathogenic protozoa, rickettsia and viruses. Special emphasis is given to the relation of bacteria to health and disease. Laboratory: three hours each week. Four Hours

51. NATURE STUDY

An introductory course in nature study in which the student learns to appreciate a variety of plant and animal forms in their natural state. Helpful to prospective teachers and others who wish an introduction to the subject. Three seventy-five minute class periods and two three-hour laboratory periods each week. *Summer only.* Two Hours

151. FIELD BIOLOGY

An advanced course in field nature study in which the student learns to study, collect, and appreciate a large variety of plant and animal forms in their natural habitats. Technique in identifying and preserving all forms is taught. Three seventy-five minute class periods and two three-hour laboratory periods each week.

Prerequisite: 11, or 15 or equivalent. *Summer only.* Two Hours

153. GENETICS

A study of the principles of heredity and variation and their causes as demonstrated by animal and plant breeding.

Prerequisites: 11 and 12 (or 15 and 16) or equivalent. Three Hours

155. CYTOLOGY*

A detailed study of plant and animal mitosis and meiosis to show the relation to genetics and cytogenetics with emphasis in the laboratory on techniques for the study of plant and animal chromosomes. Laboratory: three hours each week.

Prerequisites: 11 and 12 (or 15 and 16) and 153. Three Hours

162. BIO-ECOLOGY

A study of interrelations of plants and animals in their life processes and their reaction to the environment. Field trips constitute the major portion of the laboratory work in the course.

Prerequisites: 11 and 12 and/or 15 and 16 or equivalent. Three Hours

165 or 166. MICROTECHNIQUE

Preparation, mounting, and staining of plant and animal tissues on slides for microscopic study. Laboratory: six hours each week.

Prerequisites: 11 and 12 (or 15 and 16) or equivalent. Three Hours

168. ADVANCED MICROTECHNIQUE°

The preparation of slides for use in teaching and study. The student may concentrate in either plant or animal technique. Laboratory: six hours each week.

Prerequisites: 165 or 166 or equivalent. Two Hours

182. PHILOSOPHY OF SCIENCE

A survey of the basic philosophies of science with consideration of the origin and distribution of species. Three Hours

185. HISTORY AND LITERATURE OF BIOLOGY

An historical study of the development of the science and the literature of biology, including the step-by-step advancement of modern concepts of biology and the evolution of the scientific method and the scientific paper. Three Hours

199. PROJECTS AND TOPICS IN BIOLOGY

Experimental and library study of a selected problem of limited scope may be arranged with the head of the department. Regular conferences will be arranged with the instructor concerned. May or may not involve original research. Limited to upper division biology majors with a minimum over-all grade point average of 1.5 and of 2.0 in the field of biology. One or Two Hours

PLANT SCIENCE COURSES

Courses 11, 58 may be taken by the general college student without prerequisite.

11, 12. GENERAL BOTANY

The fundamentals of plant life as studied through the structure and function of typical forms. The principal groups of the entire plant kingdom are studied and compared. The first semester is prerequisite to the second. Laboratory: three hours each week. Eight Hours

58. GENERAL BACTERIOLOGY

A basic course in bacteriology for students concentrating in science. Designed to broaden the student's view of life and his understanding of the organisms contributing to decay, fermentation, health, disease, and the biological balances in nature. Laboratory: three hours each week.

Prerequisites: 11 and 12 (or 15 and 16); Chemistry 5-6 desirable. Four Hours

121. PLANT PHYSIOLOGY°

A study of plant processes with special emphasis on the processes of osmosis, diffusion, photosynthesis, respiration, and mineral nutrition. Laboratory: three hours each week.

Prerequisites: 11 and 12 or equivalent. Three Hours

123. SANITARY BACTERIOLOGY°

Theory and practice in the bacteriology of milk, food, water, and sewage. Standard public health techniques and procedures are emphasized. Laboratory: three hours each week.

Prerequisite: 8 or 58 or equivalent. Three Hours

132. SYSTEMATIC BOTANY°

The identification and classification of flowering plants in the local area. Emphasis is on collecting, preserving, and field identification. Laboratory: three hours each week.

Prerequisites: 11 and 12 or equivalent.

Three Hours

137. PLANT ANATOMY AND MORPHOLOGY°

A study of the microscopic anatomy of plant tissues with emphasis on their origin and development. Laboratory: three hours each week. Prerequisites: 11 and 12 or quivaleent.

Three Hours

145. MYCOLOGY

A study of the fungi, including those responsible for plant diseases. Laboratory: three hours each week.

Prerequisites: 11, 12, 8 or 58 or equivalent.

Three Hours

ZOOLOGY COURSES

Courses 5, 6, 15, 157 and 158 may be taken by the general college student without prerequisite.

5, 6. ANATOMY AND PHYSIOLOGY

A course for the general college student. Includes the study of the structure and function of the skeleton, the muscles, and the organ systems of the human body, correlated in the laboratory by the dissection of the cat. First semester: three class hours and three laboratory hours per week; second semester: two class hours only.

Six Hours

15, 16. GENERAL ZOOLOGY

A study of the structure and function of animal organisms. Representative forms of invertebrates and vertebrates of the principal groups of animals are studied and compared. First semester is prerequisite to the second. Laboratory: three hours each week.

Eight Hours

103. COMPARATIVE EMBRYOLOGY

A study of gametogenesis, fertilization, cleavage, and early development of representative chordates. Laboratory: three hours each week. Prerequisites: 15 and 16 or equivalent.

Three Hours

124. COMPARATIVE ANATOMY°

A study of the morphology of the vertebrates. Laboratory: six hours each week.

Prerequisites: 15 and 16 or equivalent.

Four Hours

127 or 128. MAMMALIAN ANATOMY

A laboratory course in which one credit hour is devoted to a detailed dissection designed to teach the anatomy and organ systems of a larger mammal. The second credit hour is earned by the preparation of an articulated skeleton of a mammal selected with approval of the instructor. Laboratory: six hours each week.

Prerequisites: 15 and 16 or equivalent.

Two Hours

136. ENTOMOLOGY

Insect biology and identification with emphasis on its economic importance. Field work and collections are required. Laboratory: three hours each week.

Prerequisite: 15 or equivalent.

Three Hours

140. ORNITHOLOGY

Field and laboratory identification of birds with special emphasis on the Pacific States avifauna. Lectures include their taxonomy, life

histories, characteristics of songs, migration, habitats, and special modifications. Field and laboratory work combined. Laboratory: three hours each week. Three Hours

144. HISTOLOGY

A descriptive analysis of normal vertebrate tissues and organs, including those of man. The microscopic identification of stained sections is emphasized in the laboratory. Laboratory: six hours each week.

Prerequisites: 15 and 16 or equivalent. Four Hours

147. PARASITOLOGY

The study of the common parasites of man and domestic animals. Laboratory each week consists of recognition studies of many typical forms. Laboratory: three hours each week.

Prerequisites: 15 and 16 or equivalent. Three Hours

157, 158. HUMAN PHYSIOLOGY I AND II

A study of the principles of animal function with special attention to processes relating to the metabolism of man. Four Hours

CHEMISTRY

In harmony with, and in the spirit of the aims and objectives of the College, the Chemistry Department seeks to equip its pupils for participation in the fields of chemistry, chemical engineering, the health sciences, the teaching of chemistry, and the pursuing of graduate work.

To the non-chemistry major the department offers the vigorous discipline of the chemistry courses, that he may better understand and appreciate the world in which he lives.

Major Requirements: The chemistry major must meet the general college requirement in addition to 24 to 32 hours of chemistry in the upper biennium and the approval of the Department of Chemistry.

Required courses: Chemistry 5-6, 50, 115-116, 155-156, and 199.

Cognate requirements: Mathematics 77, 78, Physics 51-52.

Recommended: Biology 11-12 or 15-16 or 11 and 15, Physics 151, 152, German.

Minor Requirements: 24 hours. Required courses: Chemistry 5-6, 50, 115-116, and the approval of the chairman of the department.

1-2. INTRODUCTORY CHEMISTRY

A beginning course in the practical and theoretical aspects of chemistry. Applies on the basic science requirement for certain specific curricula. One additional drill period per week will be required for all pupils who are not making a grade of C or above by the end of the first 6 weeks of each semester. Laboratory: one three-hour period each week. Six Hours

5-6. GENERAL CHEMISTRY

A standard freshman course in general college chemistry. Stresses the fundamental principles and theories of chemistry with emphasis on practical aspects. A study of Qualitative Analysis using semimicro methods is included in the second semester's work. Three one-hour lectures each week. Laboratory: two three-hour periods each week. Prerequisite: High school chemistry or physics or Chemistry 1-2. (Credit cannot be earned in both Chemistry 1-2 and 5-6.) Ten Hours

50. QUANTITATIVE ANALYSIS

Designed to acquaint the student with the theory, methods, and calculations of gravimetric and volumetric analysis. Proficiency in the use of the slide rule will be helpful. Laboratory: two three-hour periods each week.

Prerequisites: Chemistry 5-6 and Mathematics 5 or equivalent.

Four Hours

61. QUALITATIVE ANALYSIS

Consideration of methods, theories, and problems involved in qualitative procedure. Inorganic qualitative analysis of the common cations and anions in solutions, salt mixtures, alloys. Semimicro methods stressed. Laboratory: two three-hour periods each week. Three Hours

113-114. ORGANIC CHEMISTRY

A systematic study of the fundamental principles and reactions of organic chemistry, with application to the living processes, industry, and society. This course is intended primarily for home economic, dietetic, forestry, and bacteriology majors. It may not apply on major in chemistry programs. Three one-hour lectures each week. Laboratory: one three-hour period each week.

Prerequisites: Chemistry 5-6. 50 recommended.

Eight Hours

115-116. ORGANIC CHEMISTRY

A systematic development of the fundamental principles of the chemistry of carbon compounds and their reactions. A more comprehensive presentation of the subject than offered in 113-114. Laboratory work is designed to train the student in laboratory techniques of the organic chemist. This course, intended primarily for chemistry and chemical engineering majors, is a basis for teaching and for scientific research. Three one-hour lectures each week. Laboratory: two three-hour periods each week.

Prerequisites: Chemistry 5-6. 50 recommended.

Ten Hours

130. ADVANCED QUANTITATIVE ANALYSIS

A continuation of Chemistry 50, emphasizing the principles of physical chemistry which serve as a basis for analytical processes. One hour lecture and two three-hour laboratory periods each week.

Prerequisite: 50.

Three Hours

134. BIOCHEMISTRY

Discussion of select topics designed to familiarize the student with the nature of the reactions which take place in living tissues and with the function of enzymes, vitamins, and hormones in controlling these reactions. Three one-hour class periods each week. Laboratory: one three-hour period each week.

Prerequisite: 115-116.

Four Hours

141. ORGANIC SYNTHESIS

A course designed to help fit the student for research. Study is given to such topics as literature research, distribution, extraction, purification and special techniques. Laboratory work consists of the preparation and purification of a number of typical organic compounds. Laboratory: one three-hour period each week.

Prerequisite: 115-116.

Two Hours

144. QUALITATIVE ORGANIC ANALYSIS

A course in the classification and identification of organic compounds and mixtures. Laboratory: one three-hour period each week.

Prerequisite: 115-116.

Two Hours

155-156. PHYSICAL CHEMISTRY

A study of the fundamental physico-chemical concepts and laws. Three one-hour lectures each week. Laboratory: one three-hour period each week.

Prerequisites: 5-6, Mathematics 77, 78, Physics 51-52. Eight Hours

161. CHEMICAL LITERATURE

A supervised approach to the literature of chemistry. Open to chemistry majors. One Hour

199. PROJECTS AND TOPICS

Individual work in special fields. Open only to seniors.

Two-Three Hours

PHYSICS

Fostering an intellectual curiosity which will extend through the students' post-college years, imparting an attitude of open-minded consideration of controversial questions, and building an appreciation of the part played by physics in everyday living and in international affairs constitute the general objectives of the department. For the physics major there are the additional objectives of adequate preparation for professional training or for graduate work in physics, adequate factual preparation for secondary teaching in physics, preparation for employment under the Civil Service classification of junior scientist, physicist, or similar grade in private industry.

Major Requirements: 21 hours upper biennium. Required courses: Physics 51-52; 99; 108; 117; 151, 152; 199 and Mathematics 170. Required cognate: Chemistry 5-6 (General Chemistry). Chemistry 155-156 (Physical Chemistry) is recommended.

Minor Requirements: 18 hours, of which a minimum of 8 must be in the upper biennium. Required courses: Physics 51-52 and 151-152.

5. INTRODUCTORY MODERN PHYSICS

An introduction to the problems and methods of physics and its significance in daily living. Subject material is largely drawn from the discoveries since 1900. Laboratory: three hours each week.

Four Hours

15. RADIO I*

(May not be applied on a major or minor in Physics. See Applied Arts section for description of course.)

Three Hours

16. RADIO II*

(May not be applied on a major or minor in Physics. See Applied Arts Section for description of course.)

Prerequisite: 15 or equivalent.

21. PHYSICS OF FLIGHT*

Basic physical principles for the pilot: engines, aircraft aerodynamics, meteorology. (May not be applied on a major or minor in Physics.)

Two Hours

26. ELEMENTARY ELECTRONICS

Introduction to direct and alternating current circuits as applied to electronic devices. Laboratory consists of the quantitative study of simple electrical and electronic circuits. Laboratory: three hours each week.

Three Hours

51-52. GENERAL PHYSICS

Mechanics, heat, sound, electricity and light, modern physics.
Laboratory: three hours each week.

Prerequisites: Mathematics 5, 8 and high school chemistry or physics.
Eight Hours

53, 54. PROBLEMS IN PHYSICS

A problem-solving course on the General Physics level for majors and minors and others desiring additional work at this level. Two Hours

99. COLLOQUIUM

Student reports and discussion of current research and physics applications. Limited to physics majors and minors with at least enrollment in 51-52. One Hour

106. HEAT AND THERMODYNAMICS*

Heat transmission, kinetic theory, change of state, specific heats, elementary thermodynamics. Laboratory: three hours each week.

Prerequisites: 51-52 and Mathematics 77, 78. Four Hours

108. ELECTRICITY AND MAGNETISM

Electric and magnetic fields; circuits having resistance, inductance and capacitance. Laboratory: three hours each week.

Prerequisites: 51-52 and Mathematics 77, 78. Four Hours

117. LIGHT

Refraction and reflection, wave motion, diffraction and interference, polarization. Laboratory: three hours each week.

Prerequisites: 51-52 and Mathematics 77, 78. Four Hours

151, 152. ATOMIC AND NUCLEAR PHYSICS

A study of atoms and sub-atomic particles and radiation and their relation to the ultimate structure of matter. The first semester is a prerequisite to the second.

Prerequisites: 51-52 and Mathematics 77, 78. Physics 108 and 117 recommended. Six Hours

161, 162. ELECTRONICS

A study of electron tubes and their associated circuits, with applications. The first semester is a prerequisite to the second. Laboratory: three hours each week.

Prerequisites: 51-52, 108 and Mathematics 77, 78. Six Hours

170. ANALYTICAL MECHANICS

An introduction to the methods of mathematical physics, statics, kinematics, and dynamics of particles and rigid bodies; vectors. May also be applied on mathematics minor.

Prerequisites: Mathematics 114 and Physics 51-52. Three Hours

177. ADVANCED PHYSICAL MEASUREMENTS

Formal laboratory work in upper division physics. May be repeated in a different subject for credit. Laboratory: three hours each week.

Prerequisites: An upper biennium course in the same field and consent of the department head. One Hour

199. PROJECTS AND TOPICS IN PHYSICS

Experimental and library study of a specific problem under the direction of a staff member. Limited to upper biennium physics majors and minors. One-two Hours

MATHEMATICS

Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium. Required course: Mathematics 77, 78.

1, 2. ELEMENTARY MATHEMATICS

A course in beginning Algebra and Geometry. Four Hours
(Not counted toward Mathematics minor.)

5. INTRODUCTORY COLLEGE ALGEBRA

Brief review of high school algebra with additional topics of particular interest to science students. Not counted toward a mathematics minor.
Prerequisite: High school algebra or course 1, 2. Three Hours

8. MATHEMATICAL PREPARATION FOR PHYSICAL SCIENCE

Plane trigonometry and plane analytical geometry. Three Hours
Prerequisite: 5 or equivalent.

51. ADVANCED ALGEBRA

Simultaneous quadratic equations; determinants, binomial theorem; progressions; permutations; combinations. (Given only on sufficient demand.) Three Hours
Prerequisite: 5 or equivalent.

77, 78. CALCULUS I AND II

Differentiation and integration of algebraic, trigonometric, exponential and logarithmic functions, with applications to geometry and physics. The first semester is prerequisite to the second. Eight Hours
Prerequisite: 8 or equivalent.

101. ADVANCED TRIGONOMETRY

Additional work in plane trigonometry; the solution of spherical triangles. (Given only on sufficient demand.) Two Hours
Prerequisite: 5, 8.

102. ADVANCED ANALYTICAL GEOMETRY

Advanced topics in plane analytical geometry, and solid analytic geometry. (Given only on sufficient demand.) Three Hours
Prerequisite: 8 or equivalent.

105. THEORY OF EQUATIONS

Elementary theory of algebraic equations; determinants. (Given only on sufficient demand.) Two Hours
Prerequisite 51.

111. CALCULUS III

More advanced topics in calculus and an introduction to ordinary differential equations. Three Hours
Prerequisite: 77, 78.

114. DIFFERENTIAL EQUATIONS

Methods of solution of ordinary differential equations. Three Hours
Prerequisites: 77, 78 with 111 recommended.

170. ANALYTICAL MECHANICS (See Physics section for description of course.)

Three Hours

CURRICULUM FOR BIOLOGY MAJOR

FRESHMAN YEAR	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Algebra (Mathematics 5)	3	
Mathematical Preparation for Physical Science (Mathematics 8)		3
Freshman English (English 1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
General Zoology (Zoology 15, 16)	4	4
or General Botany (Botany 11) and General Bacteriology (Botany 58)		
Freshman Physical Education (Physical Education 7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

Summer: Beginning German, 6 hours.

If the student does not have two secondary units of college entrance credits in German, he will need to take, in the summer between the freshman and sophomore years, 6 hours of Beginning German. To make room for desirable electives or extra upper division hours in his major, he may earn summer school or extension credit in Fine Arts, Applied Arts, Literature, or Religion.

SOPHOMORE YEAR

General Botany (Botany 11 and General Bacteriology [Botany 58] or General Zoology [Zoology 15, 16])	4	4
Applied Arts (Agriculture preferred; select from Agriculture 7, 11, 27, 67, 81, 84)	2	2
American History and Institutions (History 91, 92)	3	3
General Chemistry (Chemistry 5-6)	5	5
Intermediate German (German 65-66)	3	3
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	17 $\frac{1}{2}$	17 $\frac{1}{2}$

JUNIOR YEAR

General Physics (Physics 51-52)	4	4
Daniel (Religion 105)	2	
Prophetic Interpretation (Religion 72)		2
General Psychology (Education 5)		3
Western World Literature (English 113, 114)	2	2
Genetics (General Biology 153)	3	
Art Interpretation (Visual Arts 55, 56)	2	2
Organic Chemistry (Chemistry 115, 116)	4	4
	17	17

SENIOR YEAR

Fundamentals of Faith (Religion 151, 152)	2	2
Philosophy of Science (General Biology 183) or History and Literature of Biology (General Biology 184)	3	or 3
Reading German (German 199) or Scientific German (German 105)	2	
Human Physiology (Zoology 157, 158) or other elective 2 and/or 2		
Electives (General Biology, Plant Sciences, or Zoology) 2-3 and 3-4		
Biochemistry (Chemistry 134) or Physical Chemistry (Chemistry 155-156) Calculus is prerequisite for the latter.	4	4
	16	15

CURRICULUM FOR CHEMISTRY MAJOR

FRESHMAN YEAR		First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)		2	2
Freshman English (English 1, 2)		3	3
History of Western Civilization (History 1, 2)		3	3
Algebra (Mathematics 5)		3	
Mathematical Preparation for Physical Science (Math. 8)			3
General Chemistry (Chemistry 5-6)		5	5
Freshman Physical Education (Physical Education 7, 8)		$\frac{1}{2}$	$\frac{1}{2}$
Summer: Beginning German, 6 hours.		16½	16½

If the student does not have two secondary units of college entrance credits in German, he will need to take, in the summer between the freshman and sophomore years, 6 hours of Beginning German. To make room for desirable electives or extra upper division hours in his major, he may earn summer school or extension credit in Fine Arts, Applied Arts, Literature, or Religion.

SOPHOMORE YEAR			
Intermediate German (German 65-66)		3	3
Calculus I and II (Mathematics 77, 78)		4	4
Quantitative Analysis (Chemistry 50)		4	
Health Principles (Health 59)			2
General Zoology (Biology 15, 16)		4	4
Social Science			3
Physical Education		$\frac{1}{2}$	$\frac{1}{2}$
		15½	16½

JUNIOR YEAR			
Religion (51, 52 or 71, 72)		2	2
Organic Chemistry (Chemistry 115-116)		5	5
General Physics (Physics 51-52)		4	4
American History and Institutions (History 91, 92)		3	3
Reading German (German 143-144)		1	1
Applied Arts		2	2
		17	17

SENIOR YEAR			
Atomic and Nuclear Physics (Physics 151, 152)		3	3
Physical Chemistry (Chemistry 155-156)		4	4
Biochemistry (Chemistry 134)			4
Projects and Topics (Chemistry 199)		2	
Literature (Upper Division)		2	2
Fine Arts (Upper Division)		2	2
Religion (Upper Division)		2	2
		15	17

Note: This curriculum as outlined above meets all requirements for entrance to the medical college except two hours of vertebrate embryology (Zoology 103 at La Sierra College), room for which can be made by the summer school adjustment.

CURRICULUM FOR PHYSICS MAJOR

FRESHMAN YEAR		First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	.	2	2
Fundamentals of Speech (Speech 5-6)	.	2	2
Algebra (Mathematics 5)	.	3	
Mathematical Preparation for Physical Science (Mathematics 8)	.		3
Freshman English (English 1-2)	.	3	3
General Chemistry (Chemistry 5-6)	.	5	5
Beginning German (German 3-4)	.	3	3
Freshman Physical Education (Physical Education 7, 8)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
		18½	18½

SOPHOMORE YEAR			
General Physics (Physics 51-52)	.	4	4
Problems in Physics (Physics 53, 54)	.	1	1
Calculus I, II (Mathematics 77, 78)	.	4	4
History of Western Civilization (History 1, 2)	.	3	3
Technical Drawing (Building Construction 41, 42)	.	2	2
Intermediate German (German 65-66)	.	3	3
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
		17½	17½

JUNIOR YEAR			
Light (Physics 117)	.	4	
Electricity and Magnetism (Physics 108)	.		4
Differential Equations (Mathematics 114)	.	3	
Calculus III (Mathematics III)	.		3
Colloquium (Physics 99)	.	1	
American History and Institutions (History 91, 92)	.	3	3
General Psychology (Education 5)	.		3
Art Interpretation (Visual Arts 55, 56)	.	2	2
Daniel (Religion 105)	.	2	
Prophetic Interpretation (Religion 72)	.		2
		15	17

SENIOR YEAR			
Heat and Thermodynamics (Physics 106)	.	3	
Analytical Mechanics (Physics 170)	.		3
Projects and Topics in Physics (Physics 199)	.	2	
Atomic and Nuclear Physics (Physics 151)	.	3	3
Advanced Physical Measurements (Physics 177)	.		1
Fundamentals of Faith (Religion 151, 152)	.	2	2
Health Principles (Health 59)	.	2	
Reading German (German 144) or Scientific German (German 105)	.	1	1-3
Western World Literature (English 113, 114)	.	2	2
Elective	.	2	2
		17	14-16

III

SOCIAL SCIENCES

WILFRED J. AIREY, *Chairman*

CHARLES B. HIRSCH

RALPH L. KOORENNY

GEORGE T. SIMPSON

The Social Science Division directs the student to current problems in the light of social experience. The great principles which are basic to society are evaluated in an effort to build in the mind of each individual a constructive philosophy of history and of life. An understanding of the past, an appreciation of the present, and a preparation for intelligent participation in society are emphasized as fundamental to good citizenship. Rich living now is a sure foundation for a richer life in the hereafter.

The graduate with a background in the social sciences should go forth a better-trained individual in the skills of criticism so that not only will he be able to listen to new ideas and concepts, but he will also be objective in his evaluation of them.

History Major Requirements: 32 hours, of which a minimum of 20 hours should be in the upper biennium; 12 hours of cognate courses are to be selected in consultation with the head of the department. Required courses: History 1, 2 and 91, 92.

History Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium. Required courses: History 1, 2; 91 and/or 92, or equivalent. Only 3 hours of History 141, 142 may apply on a minor.

Social Science Major Requirements: 45 hours with no less than 8 nor more than 18 hours in one field of concentration; a minimum of 20 hours must be in the upper biennium. Required courses: Geography 52; Political Science 57, 58; Sociology 61, 62; and Economics 188. This major is designed for students wishing to pursue a broad educational program with special emphasis on the social sciences. The minor must be in a non-social science field. A minor in biology is recommended for persons preparing for graduate study in social service.

Students interested in social work should consult the department for a recommended curriculum.

Social Science Minor Requirements: 18 hours, of which a minimum of 8 must be in the upper biennium. No history courses may apply on this minor. Students should have at least 8 hours in one field of the social sciences.

HISTORY

1, 2. HISTORY OF WESTERN CIVILIZATION

A study of the development of western civilization from antiquity to the present. Emphasis is placed on the political, economic, religious, social, and cultural institutions and ideas as they affected man's development.

Six Hours

- 55, 56. UNITED STATES CONSTITUTION (Constitutional History)
(See Political Science 55, 56.) Four Hours
- 91, 92. AMERICAN HISTORY AND INSTITUTIONS
The social, cultural, political, and constitutional development of the United States and local government from the period of colonization to the present. This course fulfills the state requirement in American History, Constitution, and California Constitution. Six Hours
- 103, 104. HISTORY OF ANTIQUITY
The ancient kingdoms of the Near East, Egypt, Greece, and Rome, particularly as they relate to Bible history. Four Hours
105. MEDIEVAL EUROPE
A study of the developing institutions of early Western Europe from Constantine to the thirteenth century. Three Hours
- 107, 108. BRITISH CIVILIZATION
England and the Empire to the present. Four Hours
- 111, 112. WESTERN AMERICA AND CALIFORNIA
The exploration and settlement of the American West. Statehood and progress in the western United States. The second semester emphasizes California History and government. Four Hours
- 125, 126. EUROPE SINCE 1914*
Europe from World War I to the present. Four Hours
- 141, 142. HISTORY OF THE CHRISTIAN CHURCH
The Christian Church, the Papacy, and the Protestant Churches. Six Hours
- 151, 152. THE RENAISSANCE AND REFORMATION
An intensive study of the economic, literary, artistic, and religious developments of the period. Six Hours
- 157, 158. EUROPE, 1789 TO 1914
Europe in revolution and transition, 1789-1914. Six Hours
161. CIVIL WAR AND RECONSTRUCTION*
The causes for, campaigns of, and results of the Civil War. Three Hours
- 163, 164. AMERICAN DIPLOMATIC RELATIONS
Developments in American diplomatic history from the Revolution to the present, with emphasis on contemporary foreign affairs. Four Hours
- 191, 192. READINGS IN AMERICAN OR EUROPEAN HISTORY
This course is restricted to History majors with a two-point average or better on their major. Students do special study in fields specified by the instructor. The student is expected to meet the instructor for regular conferences each week.
Prerequisite: Permission of the department. Two to Four Hours

POLITICAL SCIENCE

- 55, 56. UNITED STATES CONSTITUTION
A study of the development of the Federal Constitution from its early beginnings to 1860. The second semester considers the period from 1860 to the present time. Stress is placed on American institutions in their relation to the Constitution. This course may apply on a history major but not on a minor. The second half of this course (56) does not apply on state requirement. Four Hours

57, 58. NATIONAL, STATE, AND LOCAL GOVERNMENT

A study of the structure and functions of the national government of the United States. The first semester satisfies the state requirement in United States Constitution. The second semester covers the organization, politics, and administration of state and local governments, and also meets the state requirement for California Constitutional Government. Four Hours

131. WORLD POLITICS

A study of the forces and conflicts operating in international relations and world affairs with special attention given to the foreign policies of the great powers considered from the historical, political, and economic viewpoint. Three Hours

132. COMPARATIVE GOVERNMENTS

A comparative study of the backgrounds, constitutional organization, and activities of the government of England, France, Germany, and Russia. Three Hours

163, 164. AMERICAN DIPLOMATIC RELATIONS (See History section for description of course.) Four Hours

167. INTRODUCTION TO POLITICAL THEORY*

A survey of the main currents of political thought from Plato to the present time. Three Hours

169. PUBLIC OPINION AND PROPAGANDA

(See Sociology 169.)

Three Hours

SOCIOLOGY

61. FUNDAMENTALS OF SOCIOLOGY

An introductory course to survey, analyze, and define materials in the field of social processes, social changes, social forces, and the general relation of culture to society. Three Hours

62. SOCIOLOGICAL PROBLEMS*

A systematic treatment of the more important contemporary problems including juvenile delinquency, vice, alcoholism, and drug addiction, mental and physical deficiency, and other problems which may be especially prominent before our society at a particular period.

Prerequisite: 61, or permission of instructor.

Three Hours

169. PUBLIC OPINION AND PROPAGANDA

A study of the problems and processes in the formation of public opinion and how public action may be organized through the use of propaganda and pressure groups. Three Hours

174. MARRIAGE AND THE FAMILY

A study of the factors involved in mate selection, courtship, marital discord and adjustment, and the role of the family in the American way of life.

Prerequisite: Fundamentals of Sociology, or General Psychology.

Two Hours

ECONOMICS

1-2. PRINCIPLES OF ECONOMICS

A study of the agricultural and industrial organization of production; labor organizations; the money and credit system; national income analysis; economic policies; comparison of economic systems.

Six Hours

123. MONEY, BANKING, AND CREDIT** (See Business section for description of course.)

Three Hours

141. CURRENT ECONOMIC PROBLEMS

The significance and application of principles to current social and economic problems.

Prerequisite: 1-2.

Three Hours

188. ELEMENTS OF STATISTICS (See Business section for description of course.)

Three Hours

PSYCHOLOGY

5. GENERAL PSYCHOLOGY

(See Education and Psychology section for description of course.)

Three Hours

107. PERSONALITY AND MENTAL HYGIENE

(See Education and Psychology section for description of course.)

Two Hours

101. PSYCHOLOGY OF ADOLESCENCE

(See Education and Psychology section for description of course.)

Two Hours

GEOGRAPHY

52. PRINCIPLES OF GEOGRAPHY

The new geography stresses the interpretative rather than the informational, since facts are not by nature geography. Information is not the aim of the course, but a means by which the aim can be accomplished, that aim being an understanding of relationship.

Three Hours

CURRICULUM FOR HISTORY MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Intermediate Language (Beginning Language if the student does not have entrance units in the same language) 3	3	3
History of Western Civilization (History 1, 2)	3	3
General Psychology, Sociology, or Geography	3 or	3
Health Principles (Health 59)	2 or	2
Applied Arts	2	2
Electives	2-3	2-3
Freshman Physical Education (Physical Education 7, 8) $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	<u>15½</u>	<u>15½</u>

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Language	2 or	2
American Literature or Speech	2	2
Fine Arts	2	2
Natural Science (General Education Basic Science 63, 64)	4	4
Electives or Cognates	1 or 3	1 or 3
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	<u>16½</u>	<u>16½</u>

JUNIOR YEAR

Religion	2	2
Speech or Literature	2	2
Major Concentration (Upper Division)	5	5
Electives and Cognates	7	7
	<u>16</u>	<u>16</u>

SENIOR YEAR

Major Concentration (Upper Division)	5	5
Electives and Cognates	11	11
	<u>16</u>	<u>16</u>

Students planning to teach history should minor in education.

CURRICULUM FOR SOCIAL SCIENCE MAJOR

FRESHMAN YEAR		First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)		2	2
Intermediate Language (Beginning Language if the student does not have entrance units in the same language)		3	3
History of Western Civilization (History 1, 2)		3	3
Freshman English (English 1-2)		3	3
General Psychology		3	
Applied Arts		2	2
Geography			3
Freshman Physical Education (Physical Education 7, 8)		$\frac{1}{2}$	$\frac{1}{2}$
		16½	16½

SOPHOMORE YEAR			
Religion (51, 52 or 71, 72)		2	2
Language		2	
Natural Science (General Education Basic Science 63, 64)		4	4
Health Principles (Health 59)			2
American History and Institutions (History 91, 92)		3	3
American National Government (Political Science 57)		2	
American Local and State Governments (Political Science 58)			2
Fundamentals of Sociology (Sociology 61)		3	
Sociological Problems (Sociology 62)			3
Physical Education		$\frac{1}{2}$	$\frac{1}{2}$
		16½	16½

JUNIOR YEAR			
Religion		2	2
American Literature (English 51, 52)		2	2
Speech		2	2
Fine Arts		2	2
Major Concentration (Upper Division)		5	5
Electives or Minor		3	3
		16	16

SENIOR YEAR			
Elements of Statistics (Economics 188)			3
Major Concentration (Upper Division)		5	2
Electives or Minor		11	11
		16	16

Students planning on social service training are encouraged to minor in biology.

IV EDUCATION

GEORGE T. SIMPSON, *Chairman*

H. EUGENE BATES

MAYBEL JENSEN

DORIS H. BROWN

DOROTHY KUESTER

ANNA P. EDWARDSON

WILLIAM J. NAPIER

MAX M. WILLIAMS

EDUCATION AND PSYCHOLOGY

The Department of Education has as its major purpose the preparation of teachers for the elementary, junior academy, and secondary schools. The following courses provide for a selection by the student who is seeking to fulfill the general requirements for the major or minor in Elementary or Secondary Education as specifically stated for each department.

La Sierra College is accredited by the California State Board of Education to prepare candidates for the General Elementary Credential.

General Psychology 5 is a basic requirement to all education and psychology courses except 61 and 162.

5. GENERAL PSYCHOLOGY

A foundation course designed to help the student understand and explain the behavior of others and thereby be better equipped to predict and control his own life and influence the lives of others. (Not applicable toward an education major or minor.) Three Hours

61. PRINCIPLES OF EDUCATION

A survey of the basic principles of education. Three Hours

70. CHILD GROWTH AND DEVELOPMENT

A course planned to deal with a study of the mental, emotional, social, and physical development during the childhood. Two Hours

101. PSYCHOLOGY OF ADOLESCENCE

A course dealing with the most significant problems in adolescent development, with special emphasis upon the psychological principles that govern behavior. Two Hours

103. AUDIO-VISUAL MATERIALS IN INSTRUCTION

A course designed to acquaint the student with the various audio-visual materials as they affect learning. Development and analysis of materials of instruction and their presentation; operation and care of equipment. Two Hours

107. PERSONALITY AND MENTAL HYGIENE

A study of the constructive and preventive contributions of education to mental health and personal growth. Emphasis is placed on basic attitudes that influence behavior and on methods of working with these attitudes, individually and in groups, to develop more constructive behavior. Two Hours

114. EDUCATIONAL PSYCHOLOGY

A survey of the various psychological processes important to learning and its management, with special emphasis upon the significance of psychology in various teaching procedures. Three Hours

150. PRINCIPLES OF GUIDANCE

A course devised to emphasize principles, methods, organization, and aims in the educational, vocational, and civic-ethical-social guidance of students on the elementary and secondary level. Two Hours

155. TESTS AND MEASUREMENTS

A study of the principles of educational measurement together with the use, evaluation, and interpretation of tests as they pertain to the elementary and secondary grades. Three Hours

156. SCHOOL ADMINISTRATION

A study of the general administrative problems applicable to elementary, junior academy, and secondary school. Finance, public relations, guidance, personnel, curriculum development, and the supervision of extracurricular activities. Three Hours

162. PHILOSOPHY AND HISTORY OF EDUCATION

The philosophy and history of sacred and secular educational writings. Emphasis is given to the concepts of representative educational thinkers as their philosophy applies to modern educational thought. (Not open to students with credit in 61.) Three Hours

199. EDUCATIONAL PROJECTS

Open only to students in the field of education upon permission of the instructor. One-Two Hours

ELEMENTARY TEACHER EDUCATION

Major Requirements: A concentration in Education of 32 semester hours, of which a minimum of 15 must be in the upper biennium. The basic requirements are the same as for a Bachelor of Arts degree except as indicated below. The four-year curriculum is divided into four areas: General Education, professional subjects in the major field of concentration, content courses in the areas of lesser concentration, and additional requirements necessary for an elementary credential. Two areas of lesser concentration, in teaching fields, of 18 semester hours each are required, of which 6 must be in the upper biennium. Modern language is not required of students who select English as one of the areas of lesser concentration, and who have two units in the same modern language on the secondary level. Required courses: Education 51, 64, 65, 61 or 162; 70; 103; 114; 125, 126; 155 and directed teaching (Education 55, 56; 131, 132; and 185, 186), 8 semester hours. Cognate required courses include art and music, the courses to be selected in consultation with the major adviser.

Minor Requirements: 18 hours, of which a minimum of 9 must be in the upper biennium.

51. ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL

A course designed to give the prospective teacher a practical knowledge of the teaching process. Attention will be directed to problems associated with personnel, curriculum, management, organization, techniques of teaching, ethics, and community relationships. Three Hours

52. ART EDUCATION

A study of the fundamental art principles as applied to the art of children. Teaching methods. Laboratory assignments in various media of a type suitable for grade school art. (See Department of Art.)

Two-Three Hours

55, 56. TEACHING I

Observations, readings, and discussions of some of the various aspects of classroom situations, including storytelling, which will give prospective teachers an understanding of the principles involved in teaching, with special reference to the preparation needed for beginning teachings.

Two Hours

64. ARITHMETIC IN THE ELEMENTARY SCHOOL

A course for teachers of arithmetic in the first eight grades. Attention is given to making arithmetic learning a meaningful experience. The student is required to make a grade of B in subject matter. Two Hours

65. READING IN THE ELEMENTARY SCHOOL

A study of the procedures used in teaching children to read in the elementary school. Emphasis will be given to reading readiness, beginning reading, independence in word recognition, and development of reading skills. Daily observation and participation in the Demonstration School provides an opportunity for the analysis of individual and group reading problems.

Two Hours

67. MUSIC IN THE ELEMENTARY SCHOOL

A study of the aims, scope, organization of materials and activities in music in elementary schools, with attention to elementary choral and instrumental (song flutes, rhythm band) work, use of the radio in music class, the development of fundamental skills and appreciations. (See Department of Music.)

Two Hours

Prerequisite: Music I or equivalent.

125, 126. ELEMENTARY SCHOOL CURRICULUM AND METHODS

A survey of the work of the elementary school in terms of activities, materials, and methods. The first semester emphasizes social studies (Bible, history, geography, and civics) and the second semester emphasizes language arts (reading, English, spelling, and handwriting).

Four Hours

131, 132. TEACHING II

A comprehensive study of classroom activities, management, and organization, and evaluation of instructional materials in terms of the experiences and social needs of the learner, through observation and teaching under the guidance of a supervisor, and a directing teacher. No grade below C is acceptable for credit in directed teaching. A minimum average of C in all college work is required for admittance to and continuance of directed teaching

Prerequisite: Satisfactory achievement in the standard school subjects.

Three Hours

185, 186. TEACHING III †

A study of the entire elementary school program; selection, organization, and evaluation of curricular materials and teaching procedure, including comprehensive teaching as part of the laboratory work. This course requires senior standing, the completion of at least one semester in residence, and a grade point average of at least 1.0 in all college work attempted in the first three years. Each basic methods course must carry at least a grade of C.

One-Four Hours

† At least two semester hours of student teaching must be completed at La Sierra College by candidates for degrees, regardless of the amount of similar credit received elsewhere.

CURRICULUM FOR ELEMENTARY EDUCATION

FRESHMAN YEAR		First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	.	2	2
History of Western Civilization (History 1, 2)	.	3	3
Freshman English (English 1-2)	.	3	3
General Psychology (Education 5)	.	3	
Health Principles (Health 59)	.		2
Applied Arts	.	2	2
Fine Arts	.	2	2
Speech	.		2
Freshman Physical Education (Physical Education 7, 8)	½		½
		15½	16½

SOPHOMORE YEAR			
Religion (51, 52 or 71, 72)	.	2	2
General Education Basic Science (Science 63, 64)	.	4	4
Principles of Education (Education 61)	.	3	
American History and Institutions (History 92)	.		3
Organization and Administration of the Elementary School (Education 51)	.	3	
Arithmetic in the Elementary School (Education 64)	.		2
Teaching I (Education 55, 56)	.	1	1
Principles of Geography (Geography 52) (Recommended)	.		3
Literature	.	2	2
Physical Education	½		½
		15½	17½

JUNIOR YEAR			
Religion	.	2	2
English	.	2	
Child Growth and Development (Education 70)	.		2
Art Education (Education 52)	.	2	
Music in the Elementary School (Education 67)	.		2
Reading in the Elementary School (Education 65)	.	2	
Elementary School Curriculum and Methods (Education 125, 126)	.	2	2
United States Constitution (Political Science 55)	.	2	
Teaching II (Education 131, 132)	.	1	2
Western America and California (History 112)	.		2
Minors or Electives	.	3	4
		16	16

SENIOR YEAR			
Religion	.	2	
Audio-Visual Materials in Instruction (Education 103)	.	2	
Tests and Measurements (Education 155)	.		3
Teaching III (Education 185, 186)	.	1-4	1-4
Educational Psychology (Education 114)	.	3	
Minors or Elective	.	3	6
		16	16

SECONDARY TEACHER EDUCATION

Minor Requirements: 20 hours, of which a minimum of 12 must be in the upper biennium. In electing courses for a minor in Secondary Education, the student is expected to meet the professional requirements of the state or organization in which he expects certification. This generally includes a minimum of 15 to 18 hours in professional education. Four hours of directed teaching are required. The following courses are required for the minor: 165, 181, and 190. Recommended courses: 61 or 162; 70 or 101; 103; 107 or 150; 114; 155.

165. PRINCIPLES OF SECONDARY TEACHING

The problems of teaching; objectives of the secondary school; learning activities with desired outcomes; methods of planning, organizing, stimulating, and directing classroom activities, and measuring their outcomes. Two Hours

181. SPECIAL METHODS OF SECONDARY TEACHING

A study of the general methods and specific techniques which may be adapted to secondary teaching in the following areas:

Language Arts and Literature

Science and Mathematics

Religion and Social Sciences

Two Hours

Music (See Music 181.)

Typewriting and Shorthand (See Secretarial Science 181.)

Home Economics (See Home Economics 181.)

Physical Education (See Physical Education 181.)

Speech (See Speech 181.)

190. OBSERVATION AND DIRECTED TEACHING IN THE SECONDARY SCHOOL

A course in which the student teacher observes, participates in class activities, makes lesson plans, and teaches under the supervision of the secondary school supervisor and with the counsel of the head of the college Department of Secondary Education. The student must be recommended by his major professor and accepted by the director of teacher education before registering for this course.

Prerequisites: 165, 181.

Four Hours

HEALTH AND PHYSICAL EDUCATION

The Department of Health and Physical Education offers every student an opportunity to participate in a program designed to aid in the development of physical efficiency, healthful living, social cooperation, and intelligent use of leisure time.

In addition to courses being offered to meet the health and physical education requirements, a minor in health and physical education is available for both men and women interested in education, social work, or recreational vocations.

All students are required to have regulation gym suits and tennis shoes at the time the students enter the class.

Minor Requirements: 24 hours, of which a minimum of 10 must be in the upper biennium. Required courses: 8 to 10 hours in technique courses which must include 67, 122; Theory courses 59, 75, 171; Anatomy and Physiology 5, 6.

SERVICE COURSES

7, 8. FRESHMAN PHYSICAL EDUCATION

Required of all freshmen.

First semester: Orientation, skill testing, motor ability, and conditioning are stressed in this introductory course. Men students who do not pass the Medical Cadet test will register for the MCC section.

Second semester: Social, physiological and recreational activities. Students who do not pass the required swimming test will register for the swimming section. One Hour

11, 12. CORRECTIVE PHYSICAL EDUCATION

Exercises for correcting minor functional and structural defects; emphasis on posture; importance of relaxation; health and posture problems. This course is designed as a substitute for 7, 8 and 55, 56 for those students whose physical activities are restricted. One-Two Hours

55. COOPERATIVE ACTIVITIES

A variety of activities taught for social values.

Prerequisites: Passing required Swimming Test. One-Half Hour

56. ADULT ACTIVITIES

A variety of carry-over activities taught for recreational values

Prerequisites: Passing required Swimming Test. One-Half Hour

TECHNIQUE AND THEORY COURSES

5, 6. ANATOMY AND PHYSIOLOGY (See Biology section for description of course.) Six Hours

16. MEDICAL CADET SCIENCE

Study in organization of the medical department and basic fundamentals required of the medical soldier. One Hour

17. BODY MOVEMENT AND CONDITIONING

For minors.

One Hour

18. TRACK AND FIELD

For minors.

One Hour

22. ELEMENTARY AQUATICS

For minors.

One Hour

59. HEALTH PRINCIPLES

A study of the principles governing community and personal health and how these principles may be successfully applied to daily living. Special emphasis is placed on denominational standards. Two Hours

65. FALL TEAM ACTIVITIES

For minors. Flagball, Basketball (men).

Soccer, Basketball (women).

One Hour

67, 68. ELEMENTARY GYMNASTICS

For minors and members of the Gymkana Troup.

Two Hours

75. PRINCIPLES OF HEALTH AND PHYSICAL EDUCATION

The principles underlying the educational procedures in the health and physical education program. (Physical Education credit only.)

Two Hours

81. COMMUNITY RECREATION

A course designed to fill the need for recreational leadership.

Three Hours

105. CO-RECREATIONAL ACTIVITIES
For minors. Archery, Badminton. One Hour
106. INDIVIDUAL ACTIVITIES
For minors. One Hour
122. ADVANCED AQUATICS
Swimming, diving, water polo and life saving.
Prerequisite: Permission from instructor. One Hour
126. SPRING TEAM ACTIVITIES
For minors. Volleyball, Softball. One Hour
- 127, 128. INTERMEDIATE GYMNASTICS
For minors and members of the Gymkana Troup. Two Hours
132. SAFETY AND PREVENTION OF INJURIES
First Aid safety measures, bandaging and massage for the prevention of injuries. Two Hours
- 157, 158. ADVANCED GYMNASTICS
For minors and members of the Gymkana Troup. Two Hours
171. ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION
The organization and administration of the health and physical education program on the elementary and secondary levels.
Prerequisite: 75. Three Hours
181. SPECIAL METHODS IN PHYSICAL EDUCATION
Prerequisite: Six hours Education. Two Hours
199. SPECIAL PROBLEMS IN HEALTH AND PHYSICAL EDUCATION
Open only to students in the field of education upon permission of the instructor. One-Two Hours

NURSING EDUCATION

A five-year combined curriculum is offered in Nursing Education, leading to the degree of Bachelor of Science, with a minor in Biology, Social Science, or Secondary Education. Candidates for a degree must be graduate, registered nurses, having spent three years in an accredited school of nursing. Nurses who have completed the prenursing curriculum may meet the requirements for a degree with approximately 42 semester hours additional work, according to the following schedule:

Preprofessional course	32 hours
Professional course (individually evaluated), a maximum of	54 hours
Additional courses to meet academic requirement for graduation	42 hours
Total	128 hours

In consultation with the faculty adviser, the student may select from the following courses recommended for the advanced professional curriculum:

Education and Social Sciences	6 - 18 hours
Educational Psychology	
Principles of Guidance	

Tests and Measurements	
Audio-Visual Materials in Instruction	
Philosophy and History of Education	
Economics	
American History (required)	
Sociology	
English and Speech	6 - 8 hours
Speech (2 hours required)	
Literature (4 hours required)	
Religion	4 - 5 hours
Science	6 - 9 hours
General Physiology (required for a minor in biology)	
Nursing Education	10 hours
Community Nursing and Community Resources	
Foundations of Nursing Education	
Ward Management and Teaching in a Head Nurse Unit	
Trends in Clinical Nursing	
Progressive Methods in Clinical Teaching	

Major Requirements: In addition to work taken in the school of nursing and the basic requirements for the Bachelor of Science degree, 10 semester hours are required in the field of Nursing Education.

1. HISTORY OF NURSING

A study of the history of the growth of nursing from ancient times to the present. Emphasis is placed on modern professional problems.
Two Hours

105. FOUNDATION OF NURSING EDUCATION

A survey of the growth and development of nursing education from the past to the present time.
Two Hours

147. WARD MANAGEMENT AND TEACHING IN A HEAD NURSE UNIT

A study of the management of ward service. Includes a study of the physical plant and equipment with consideration of problems of hospital or sanitarium management. Definite emphasis is given to ward teaching.
Two Hours

152. COMMUNITY NURSING AND COMMUNITY RESOURCES

This course is designed to familiarize the student with agencies engaged in the promotion of health.
Two Hours

158. TRENDS IN CLINICAL NURSING

A study of some of the recent developments, trends, and current problems facing the nursing profession and the education of nurses. A careful survey is made of current developments in the various aspects of patient care.
Two Hours

160. PROGRESSIVE METHODS IN CLINICAL TEACHING

A survey of methods most effective in teaching the clinical courses in nursing. Evaluation of technique used in class and clinical practice will be a part of the class requirement. Taught on the Loma Linda Campus of the College of Medical Evangelists.
Two Hours

PRENURSING

(See Curriculum on page 105.)

V

LANGUAGE AND LITERATURE

THOMAS A. LITTLE, *Chairman*

MARGARETE AMBS
LILLIAN L. BEATTY
HELEN F. LITTLE

LAWRENCE E. MOBLEY
EDWARD NACHREINER
MABEL CURTIS ROMANT

ENGLISH

The English Department aims to equip the general college student with (a) information and spirit for the profitable enjoyment of literary art and history and (b) efficiency in organizing his thoughts into effective compositions. Additional aims for the English major are scholarship in literature and composition adequate to teaching, and preparation for graduate study in English.

Major Requirements: 30 hours in addition to English 1-2, with a minimum of 15 in the upper biennium. Prescribed courses: English 51, 52; 61, 62; 105-106; and 197-198. 105-106 may be waived by credit in Journalism 55-56 or its equivalent, though only two of the hours of Journalism may apply as English. A related requirement, in addition to the basic history requirement, is a full-year course in British Civilization (107-108).

Minor Requirements: 18 hours in addition to English 1-2, with a minimum of 8 in the upper biennium. Prescribed courses: English 51, 52; 61, 62; and 105-106. 105-106 may be waived by credit in Journalism 55-56 or its equivalent, though only two of the hours in Journalism may apply as English. A related requirement is a full-year course in either History 91, 92 or 107, 108.

OA FUNCTIONAL GRAMMAR AND LANGUAGE ELEMENTS

A concentrated non-credit review course prerequisite to English 1-2 for all students who do not pass the English Placement Test.

Fee: \$20.00.

No Credit

1-2. FRESHMAN ENGLISH

- 1) Training in writing and reading.
- 2) An introduction to the study of literature, with further training in writing.

English 1-2 is prerequisite to any other course in English. Six Hours

51, 52. AMERICAN LITERATURE

A study of the more important aspects of the history of American literature and of the typical work of the significant authors from the seventeenth century to above 1900.

Four Hours

61, 62. ENGLISH LITERATURE SURVEY

A study of the more important aspects of the history of English literature and of the typical work of the significant authors from Beowulf to about 1900.

Six Hours

100. METHODS AND MATERIALS OF LITERARY CRITICISM*

Explication and valuation of literary texts and study of the various principles of literary judgment. Three Hours

105-106. ADVANCED COMPOSITION

Advanced study of the principles of effective composition; practice in creative writing by types. Four Hours

110. SURVEY OF LINGUISTICS AND GRAMMAR*

Divided between the history of the language and a study of current grammar. Not for those who need a course in basic grammar. Not applicable on the literature requirement for the Bachelor of Arts degree. Two Hours

113, 114. WESTERN WORLD LITERATURE

Reading and study of selected literary monuments of Western culture. The second semester carries no credit to English majors or minors or to others who have credit in English 62. Four Hours

151, 152. AMERICAN LITERARY MASTERS

Extensive study of selected major writers significant in American literary history. (Students who have had other courses in literature and are well prepared in American history are eligible for this course.) No credit to those with credit in English 51, 52. Four Hours

155-156. OLD AND MIDDLE ENGLISH

The Old English is studied in translation. The Middle English, mostly Chaucer's works, is studied in the original. Six Hours

160. MILTON

The works of John Milton, all of the poetry and the more significant prose studied in the light of the historical and literary setting. Two Hours

161, 162. LITERATURE OF THE ENGLISH RENAISSANCE*

The first semester is devoted to the great non-dramatic poetry from 1500 to 1650. The second semester has to do with the prose of the same period.

Prerequisite: 61.

Four Hours

166. THE ROMANTIC POETS*

Prerequisite: 62.

Three Hours

168. THE VICTORIAN POETS*

Three Hours

170. THE ENGLISH BIBLE AS LITERATURE

A study of the Bible as literary art among the world's supreme masterpieces. This course applies on the English major or minor but not on the first four hours of the general literature requirement for the Bachelor of Arts degree.

Prerequisite: One semester of English or American literature.

Three Hours

174. NINETEENTH CENTURY PROSE

Two Hours

183, 184. DRAMATIC LITERATURE

A carefully selected sequence of dramatic classics from Aeschylus to Ibsen, studied to reveal their literary values and cultural attitudes. More than half the time is given to Shakespeare. Six Hours

197-198. ENGLISH MAJOR CONFERENCE

An integrating group study required of English majors in the senior year and recommended to minors. Only majors and minors in the department are admitted. Two Hours

CURRICULUM FOR ENGLISH MAJOR

FRESHMAN YEAR		First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	.	2	2
History of Western Civilization (History 1, 2)	.	3	3
Freshman English (English 1-2)	.	3	3
Beginning Language	.	3	3
(Not required of those who present two units of college entrance in the chosen language.)			
General Psychology (Education 5)	.	3	
Elective	.		3
Freshman Physical Education (Physical Education 7, 8)	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
		16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

English Literature Survey (English 61, 62)	.	3	3
Religion (51, 52 or 71, 72)	.	2	2
General Education Basic Science (Science 63, 64)	.	4	4
American History and Institutions (91, 92)	.	3	3
Health Principles (Health 59)	.	2	or 2
Intermediate Language	.	3	3
Fine Arts	.	2	2
Physical Education	.	$\frac{1}{2}$	$\frac{1}{2}$
		17 $\frac{1}{2}$	15 $\frac{1}{2}$

JUNIOR YEAR

American Literary Masters (English 151, 152)	.	2	2
News Writing (Journalism 55-56 or			
Advanced Composition 105-106)	.	2	2
Upper Division English	.	3-6	3-6
(Old and Middle English, a prescribed subject, and some other upper division classes are offered only in alternate years; juniors should note preferred subjects and anticipate the year of their availability.)			
Speech	.	2	2
British Civilization (History 143-144) or elective	.	2	2
(Offered only in alternate years; juniors may anticipate this as a senior subject when it is not available in their junior year.)			
Language	.	2	2
Elective	.	3	3
		16	16

SENIOR YEAR

English Major Conference (English 197-198)	.	1	1
Upper Division English	.	3-6	3-6
Applied Arts	.	2	2
Upper Division Religion	.	2	2
Electives	.	5	5
		16	16

JOURNALISM

Minor Requirements: 18 hours selected in conference with the minor adviser, 8 of which must be in the upper biennium. To qualify for a minor in this field the student must have a broad cultural course in general college studies, including among his prescribed and elective courses History 91, 92; Political Science 4 to 6 hours; Sociology 61 or Economics 1-2; Business 127-128; Secretarial Science 5, 6 or 57, 58; and one full year in each of American and English literature. A thorough mastery of English fundamentals is expected of all taking Journalism courses. Printing courses taken for applied art credit or in a trade school (not for B. A. credit) are cognate requirements for a journalism minor, but may be waived by an adequate apprenticeship in the type room of a good printing concern.

55-56. NEWS WRITING

The writing of news, features, and interviews for the daily press, with practical experience in the use of newspaper style and technique.

Four Hours

106. PUBLIC ADDRESS REPORTING

Specialized practice in reporting sermons, speeches, public meetings, and interviews according to good newspaper formulae. Enrollment restricted to those who have demonstrated proficiency in Journalism 55-56.

(either semester) Two Hours

120. PRESS RELATIONS AND PUBLICITY TECHNIQUES

Lectures, readings, and directed observation and practice designed to familiarize the student—from the viewpoint of the newspaper as well as of the public relations office—with the problems of desirable reactions to honest and competent publicity.

Prerequisites: 55-56 and at least one other newspaper theory course, 149 recommendd.

Two Hours

125-126. COPY-DESK EDITING

A practice course for those who have shown competence in 55-56. The work involves laboratory projects in copy-reading, rewriting, headwriting, proofreading, make-up, and feature production.

Two Hours

130. HISTORY AND ETHICS OF JOURNALISM

History of Journalism from about 1620 down to the present time with parallel attention to the principles that guide the best newspapers.

Two Hours

149. NEWSPAPER PROBLEMS

A study of the policies and practices of the better weekly and small daily newspapers as to news content, editorials, advertising, circulation, costs. Part of the week will be in the form of research or experience in a newspaper plant of the type considered in the course.

Two Hours

SPEECH

The Speech Department aims to make the student a better equipped individual for everyday life by helping him to correct his speech defects, to gain platform poise, and to organize and present his thoughts logically and effectively.

Major Requirements: 30 hours, of which 18 must be in the upper biennium. The required courses will be determined in conference with the major professor. A senior student must have platform poise and

show himself to be an able speaker and reader. A second major in an accepted field is recommended.

Minor Requirements: 18 hours, of which 9 must be in the upper biennium.

Equipment: A public address system, a standard voice recording machine, and a Brush Soundmirror tape recorder. The room is suggestive of a small auditorium.

5-6. FUNDAMENTALS OF SPEECH

The principles of correct speech with special attention given to tone drills; proper poise and use of the body in various speech situations.
Four Hours

52. VOICE AND DICTION

A consideration of principles underlying the correct use of the voice in articulation, and the elimination of speech defects and throat fatigue.
Two Hours

61. PUBLIC PROCEDURE

A study of the principles and practices of parliamentary law and usage. Each student is given practice in the conduct of business meetings.
Two Hours

81, 82. INDIVIDUAL SPEECH INSTRUCTION

Correction of basic speech defects, and formation of well-supported tones.
Two Hours

131. ORAL INTERPRETATION

The oral interpretation of the best literary forms, with suggestions for public presentation in a unified and spontaneous response of voice and body.
Three Hours

132. ORAL INTERPRETATION OF THE BIBLE

A consideration of the principles of effective oral Bible reading with practice in platform presentation.
Three Hours

135. RADIO SPEECH

The theory and practice of microphone technique with special emphasis upon radio diction and radio listening and evaluation.
Prerequisite: 52 or equivalent.
Two Hours

136. RADIO PRODUCTION

Preparation for production, participation, and direction of various types of radio broadcasts.
Prerequisite: 52 or equivalent.
Two Hours

139. PRINCIPLES OF DISCUSSION

The fundamental principles of argumentation and the theory and practice of various techniques of discussion, including the forum, panel, and round table.
Three Hours

142. PERSUASIVE SPEECH

The art of persuasion and its influence upon behaviour, including the basic factors involved, and the avenues of motivation.
Three Hours

151. ADVANCED PUBLIC ADDRESS*

The composition and delivery of various types of public address; effective extemporaneous speaking; techniques for influencing human behaviour through speech.
Three Hours

171. SENIOR RECITAL

The presentation of an acceptable public recital or participation in a senior public recital.
One-Two Hours

182. METHODS IN SPEECH EDUCATION

A discussion of methods and aims of speech training in the grades, in secondary schools, and in colleges. Two Hours

185, 186. ADVANCED INDIVIDUAL SPEECH INSTRUCTION

Emphasis upon beautiful tones based upon abdominal breathing and the proper use of the organs of speech. One or two lessons a week as arranged. Time by appointment. (A maximum of four hours credit in Individual Speech Instruction can be applied on a speech major; two on a speech minor.) Two Hours

CURRICULUM FOR SPEECH MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Fundamentals of Speech (Speech 5-6)	2	2
Freshman English (English 1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Beginning Language	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
General Psychology (Education 5)	3	
Elective		3
Freshman Physical Education (Physical Education 7, 8) ½	½	½
	16½	16½

SOPHOMORE YEAR

Public Procedure (Speech 61)	2	
Voice and Diction (Speech 52)		2
American History and Institutions (History 91, 92)	3	3
Religion (51, 52 or 71, 72)	2	2
General Education Basic Science (Science 63, 64)	4	4
Literature	2	2
Intermediate Language	3	3
Physical Education	½	½
	16½	16½

JUNIOR YEAR

Oral Interpretation (Speech 131)	3	
Principles of Discussion (Speech 139)	3	
Persuasive Speech (Speech 142)		3
Religion	2	2
Literature	2	2
Health Principles (Health 59)		2
Applied Arts	2	2
Electives	4	5
Electives	4	5
	16	16

SENIOR YEAR

Oral Interpretation of the Bible (Speech 132)		3
Senior Recital (Speech 171)	1-2	
Methods in Speech Education (Speech 181)		2
Speech Electives	4	4
Fine Arts	2	2
Electives	8	4
	15-16	15

MODERN LANGUAGES

The objectives of this department are to equip the major with the necessary tools to enter professions requiring foreign language and to prepare him for graduate study. We aim to develop the student's ability to reason inductively, to give him a deeper insight into his mother tongue, to arouse in him an awareness and appreciation of his cultural heritage, and to stimulate his interest in the foreign mission program of the church.

Before enrolling in a Modern Language course numbered 100 or above, a student must have completed 12 to 14 hours, or the equivalent, of one language. Education 181 and 190 are recommended for students planning to teach a language.

FRENCH

Major Requirements: 30 hours in addition to French 3-4 or the equivalent, of which a minimum of 24 hours must be in the upper biennium. These must include 131, 155, 156. Required cognates: Survey of English Literature, 6 hours; speech, 4 hours.

Minor Requirements: 18 hours above the beginning course, or its equivalent, of which a minimum of 9 must be in the upper biennium. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than French.

3-4. BEGINNING FRENCH

An introductory study of grammar, pronunciation, reading, composition, with oral practice. Laboratory time required, three one-hour periods a week. Six Hours

53-54. INTERMEDIATE FRENCH

A continuation of 3-4. A review of grammar with readings from French authors. Prerequisite for 155, 156. Six Hours
Prerequisite: 3-4 or equivalent.

57, 58. READINGS OF FRENCH MASTERPIECES

Reading and discussion of selected works in French literature. May be taken concurrently with 53-54. Four Hours

101, 102. VOCABULARY BUILDING

Designed to enlarge the student's vocabulary, mainly through oral use. Four Hours

123, 124. OUTLINE HISTORY OF FRENCH LITERATURE*

Literary landmarks from La Chanson de Roland to the 19th century. Special stress on the 17th century. Six Hours

131. PRONUNCIATION

A thorough study of the fundamental principles of French pronunciation. Two Hours

141. ROMANTICISM*

A study of French literature from 1880 to 1850 with stress on Lamartine, Vigny, Hugo, and Musset. Two Hours

142. MODERN FRENCH WRITERS*

French literature from 1850 to 1900.

Two Hours

143-144. READING FRENCH

Readings in French in the student's major field, and readings to be chosen in conference with his major professor and the language professor. May be taken during the junior year or senior or both.

Two Hours

151, 152. CONTEMPORARY WRITERS

A study of selected authors of the latter part of the 19th century and the beginning of the 20th.

Six Hours

155, 156. ADVANCED COMPOSITION

Further study of grammar and idiomatic expressions with translations of literary works from English into French. Both semesters are required of majors and are recommended for minors.

Prerequisite: 53-54.

Four Hours

GERMAN

Minor Requirements: 18 hours above the beginning course, or its equivalent, of which a minimum of 9 must be in the upper biennium. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than German.

3-4. BEGINNING GERMAN

A study of the fundamentals of grammar, drills in verbs and pronunciation, reading or simple prose. Laboratory time required, three one-hour periods a week.

Six Hours

65-66. INTERMEDIATE GERMAN

A review of grammar with special emphasis on idioms; reading of German prose to furnish a background of life, culture, and geographical aspects of Germany.

Prerequisite: 3-4 or equivalent.

Six Hours

105. SCIENTIFIC GERMAN

A course especially intended for students who plan to enter the field of science or medicine. A grammatical analysis from the standpoint of peculiarities of scientific German. Readings to acquaint the student of science or medicine with vocabulary, style, and subject matter in his field.

Three Hours

107. GERMAN CONVERSATION

Intensive practice in German pronunciation; stresses fluent and correct use of vernacular conversation based upon everyday life and events.

Two Hours

108. GERMAN PROSE COMPOSITION

A brief review of grammar; practice in writing prose compositions of various types.

Two Hours

135, 136. OUTLINE HISTORY OF GERMAN LITERATURE*

A study of the main currents of German Literature from the early beginnings to the present time. Readings, based on a German text, include selections of the easier masterpieces of representative authors of the periods studied.

Six Hours

143-144. READING GERMAN

Readings in German in the student's major field, the readings to be chosen in conference with his major professor and the language professor. May be taken during the junior year or senior year or both.
Two Hours

162. GERMAN KULTURKUNDE

A study of German culture and civilization as reflected in German art, literature, philosophy, and religion.
Two Hours

SPANISH

Minor Requirements: 18 hours above the beginning course, or its equivalent, of which a minimum of 9 must be in the upper biennium. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than Spanish.

3-4. BEGINNING SPANISH†

Essentials of Spanish grammar; a systematic training in pronunciation, conversation, and reading. Laboratory time required, three one-hour periods a week.
Six Hours

61-62. INTERMEDIATE SPANISH

A continuation of 3-4. Grammar review, oral practice; readings from Spanish and Hispanic American authors.
Prerequisite: 3-4 or the equivalent.
Six Hours

67, 68. READING OF SPANISH AUTHORS

Four Hours

131. ADVANCED COMPOSITION AND CONVERSATION

Recommended for teaching minors.

Two Hours

132. ADVANCED GRAMMAR AND COMPOSITION

Recommended for teaching minors.

Two Hours

143-144. READING SPANISH

Readings in Spanish in the student's major field, the readings to be chosen in conference with his major professor and the language professor. May be taken during the junior year or senior year or both.
Two Hours

145, 146. OUTLINE HISTORY OF SPANISH LITERATURE

Literary landmarks from the Middle Ages through the contemporary period with emphasis on the authors of the Golden Age and of the nineteenth century.
Six Hours

149. SPANISH CIVILIZATION*

A survey of the physical, racial, historical, and artistic elements which have influenced and molded Spanish civilization and culture, and their influence on the cultures of the world.
Two Hours

161, 162. HISPANIC AMERICAN LITERATURE*

A survey of the trends in Hispanic American literature from its beginnings to contemporary times with emphasis on Dario, Bello, Palma, and others.
Four Hours

† Offered in summer session only.

CURRICULUM FOR FRENCH MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) .	2	2
History of Western Civilization (History 1, 2) .	3	3
Freshman English (English 1-2) .	3	3
Beginning French (French 3-4)	3	3
(Not applicable to those who have college entrance in the same language.)		
General Psychology (Education 5)	3	
Health Principles (Health 59)		2
Fine Arts	2	2
Elective		1
Freshman Physical Education (Physical Education 7, 8) $\frac{1}{2}$		$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Intermediate Language	3	3
General Education Basic Science (Science 63, 64)	4	4
English Literature Survey (English 61, 62) .	3	3
Elective	1	1
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

JUNIOR YEAR

Religion	2	2
Applied Arts	2	2
Outline History of French Literature (French 123, 124)	3	3
Romanticism (French 141)	2	
Modern French Writers (French 142)		2
Pronunciation (French 131)	2	
Speech	2	2
Electives	3	5
	16	16

SENIOR YEAR

Contemporary Writers (French 151, 152) .	3	3
Advanced Composition (French 155, 156) .	2	2
Elective French	2	
Electives	9	11
	16	16

VI

MUSIC AND ART

HAROLD B. HANNUM, *Chairman*

FRANCES BROWN

H. ALLEN CRAW

EDNA S. FARNSWORTH

JOHN T. HAMILTON

CHLOE ADAMS SOFSKY

ALFRED WALTERS

ROBERT WARNER

GENERAL EDUCATION FINE ARTS

57, 58. INTRODUCTION TO FINE ARTS

A basic general education course in understanding music, painting, sculpture, architecture, and other arts. An elementary study of aesthetics and the basis for the appreciation of works of art. The first semester is prerequisite to the second. Four Hours

This course is required of all candidates for the B. A. degree. Substitutions, on the basis of equivalent information, may be approved only on recommendation of the chairman of the division.

MUSIC

The objectives of this department are to give students an understanding and appreciation of the musical heritage of man; to aid the student in acquiring knowledge, techniques, and skills necessary for performers, composers, teachers, singing evangelists, and church musicians; and to provide for students in leisure time cultural and artistic activities, such as group music experiences and intelligent listening to music.

Major Requirements: 40 hours, of which a minimum of 15 must be in the upper biennium. Required courses: 5, 6 Theory I; 51, 52 Theory II; 107, 108 Counterpoint; 111, 112 History of Music; 8 hours in *one* field of applied music. Electives from courses 21, 22; 55, 56; 121, 122; 155, 156; 190; 101, 102; 117; 124; 63, 64; 113, 114; 199.

Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium. Required courses: 5, 6 Theory I; 111, 112 History of Music. Eight hours to be selected from the courses listed above under major requirements.

Bachelor of Music Education: The curriculum leading to the degree Bachelor of Music Education is offered for those interested in the field of music teaching. This course gives a student concentration (24 hours) in one field of applied music with supplementary instruction in the remaining fields of applied music. Emphasis is given to the technique and practice of teaching music. A 40-48 hour requirement in general college courses provides a basis for general culture.

OUTLINE FOR BACHELOR OF MUSIC EDUCATION DEGREE

- I. General Culture — 40 hours
 - Religion — 12-14 hours (4 hours upper division)
 - English — 10 hours
 - History — 6 hours (European Civilization recommended)
 - Science — 6 hours
 - Physical Education and Health — 4 hours
 - II. Musicianship — 32 hours
 - Theory I and II — 12 hours
 - History of Music — 4 hours (U.D.)
 - Music Form and Analysis — 4 hours (U.D.)
 - Counterpoint — 4 hours (U.D.)
 - Music Composition and Orchestration — 4 hours (U.D.)
 - Organizations† — 2 hours
 - Advanced Conducting — 2 hours (U.D.)
 - III. Performance — 30 hours
 - Instrument or Voice — 24 hours
(Courses: 21, 22; 55, 56; 121, 133; 155, 156; 190.)
 - Secondary Applied Music — 6 hours
(Courses: 91, 92; 93, 94; 95, 96; or equivalent.)
 - IV. Minor in Education — 18 hours
 - V. Electives — 8 hours Liberal arts courses are recommended.
- Specific study programs will be arranged in consultation with the staff. A student majoring in music may apply a maximum of 50 hours in music toward a Bachelor of Arts degree.
- All courses in the department except 15, 16 and 1 may be counted toward the Bachelor of Music Education degree.
- The Fine Arts requirement of four hours toward the A. B. degree may be met in the department of music by any of the following courses: 63, 64; 111, 112; 113, 114

APPLIED MUSIC

Private half-hour lessons are given in piano, organ, voice, violin, and orchestral and band instruments. Students may take applied music with or without credit.

College credit in applied music is granted on the following basis:

1. One or two half-hour lessons a week.
(Students desiring more than one hour of credit per semester must take two half-hour lessons a week. Students taking one half-hour lesson a week are expected to take a minimum of 15 lessons per semester; and those taking two half-hour lessons a week are expected to take a minimum of 30 lessons per semester.)
2. Three hours of practice per week for each hour of credit.
3. A passing grade in a satisfactory semester examination.
4. Participation in public recitals as requested by the instructor.

† Students taking this curriculum are required to join an organization each year in their music field.

Credit in applied music in excess of four hours must be supplemented by at least an equal number of hours in Theory or Music History.

The maximum amount of credit in applied music allowed on the Bachelor of Arts degree for non-music majors is 8 hours; for music majors taking the Bachelor of Arts degree, 16 hours.

Students pursuing the Bachelor of Music Education degree are required to take two lessons a week in their major field of applied music.

Students in applied music must secure the approval of their instructor before performing in public.

At the semester examinations in applied music, each student must demonstrate sufficient advancement in technique and musicianship to satisfy the examiners. The examination will consist of at least one number from memory and one or two other numbers of a diversified nature together with technical exercises.

Applied music courses may be repeated for credit until the maximum of eight hours is reached. Students must satisfy their teacher and examiners as to the extent of repertoire covered.

Students majoring (16 hours) in applied music are required to complete the level of attainment of the applied music courses 21, 22 and 55, 56.

Students fulfilling the requirements for the Bachelor of Music Education degree are required to complete the level of attainment of the applied music courses 21, 22; 55, 56; and 121, 122.

Students majoring (16 hours) in applied music are required to give a recital of acceptable merit in their senior year.

15, 16. PREPARATORY APPLIED MUSIC

Credit in this course may not be applied on a major or minor in music or on the applied music requirement of the Bachelor of Music Education degree. It may apply toward college elective requirements.

One-Four Hours

21, 22. APPLIED MUSIC (First Year)

One-Eight Hours

55, 56. APPLIED MUSIC (Second Year)

One-Eight Hours

91, 92. STRING INSTRUMENT CLASS

A study of the string instruments of the orchestra to give students an understanding of the basic elementary technique of each.

Two Hours

93, 94. WOODWIND INSTRUMENT CLASS

An introductory study of the orchestral woodwind instruments.

Two Hours

95, 96. BRASS INSTRUMENT AND PERCUSSION CLASS

An introductory study of the orchestral brass and percussion instruments.

Two Hours

121, 122. APPLIED MUSIC (Third Year)

One-Eight Hours

155, 156. APPLIED MUSIC (Fourth Year)

One-Eight Hours

190. SENIOR RECITAL

The presentation of a creditable public recital approved by the music faculty.

One-Two Hours

THEORY

1. ELEMENTS OF MUSIC

The study of the rudiments of music, diction, sight-singing and ear-training. Primarily for students without any previous music training. This course may count only as a college elective and may not be counted on a major or a minor or toward the Bachelor of Music Education requirements. Two Hours

5, 6. THEORY I

A thorough study of the fundamentals of musicianship — chords, scales, intervals, and elementary harmony, with emphasis upon ear-training and keyboard harmony. A supplementary period for ear-training and dictation is required in addition to the regular class sessions each week. Six Hours

51, 52. THEORY II

A continuation of the study of harmony, with emphasis upon ear-training, keyboard harmony, the harmonizing of melodies and basses, and original writing. A supplementary period for ear-training and dictation is required in addition to the regular class sessions each week. Six Hours

101, 102. FORM AND ANALYSIS

An analytical course including a study of the smaller forms through the sonata and rondo forms and the contrapuntal forms. Harmonic analysis of excerpts from classic, romantic, and modern music. Prerequisite: 5, 6. Four Hours

107, 108. COUNTERPOINT

A study of the polyphonic styles of the 16th and 17th centuries, with practice in writing two and three part motets and inventions. Prerequisite: 5, 6. Four Hours

117. MUSIC COMPOSITION

Practice in writing original compositions in the smaller forms. Prerequisites: 5, 6; 51, 52. Two Hours

124. ORCHESTRATION

A study of the instruments of the orchestra; arranging music for the orchestra. Prerequisites: 5, 6; 51, 52. Two Hours

MUSIC HISTORY AND LITERATURE

63, 64. MUSIC LITERATURE

A survey of significant music and musicians, with emphasis upon the period from Bach to the present to develop an understanding of the music being performed today. Directed listening to recordings. Four Hours

111, 112. HISTORY OF MUSIC*

A chronological study of the various periods in the development of music from the earliest times to the present. It is desirable that students have an elementary knowledge of theory and music fundamentals before enrolling in this course. Four Hours

113, 114. HISTORY OF CHURCH MUSIC

A study of music and its relation to the church from the time of Hebrew music to the present. Emphasis upon hymns and hymn-tunes and the place of music in worship. Four Hours

199. ADVANCED MUSIC PROJECTS

One-Two Hours

CONDUCTING

60. ELEMENTARY CONDUCTING

Fundamental rules and practice in conducting, congregational singing. The practical use of music in the church and in evangelism. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Prerequisite: 1 or equivalent.

Two Hours

132. CONDUCTING TECHNIQUE

A review of the principles of conducting. *Section I.* The materials and methods in organizing and conducting choral organizations. *Section II:* The materials and methods of organizing and conducting bands and orchestras and instrumental ensembles. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Two Hours

MUSIC EDUCATION

67. TEACHING MUSIC IN THE ELEMENTARY SCHOOL

(May be counted only toward a Bachelor of Music Education degree; or as a college elective. See Education section for description of course.)

Prerequisite: 1 or equivalent.

Two Hours

181. TEACHING MUSIC IN THE SECONDARY SCHOOL

A study of the materials and methods of teaching music in secondary schools. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Two Hours

191. MUSIC MATERIALS AND TECHNIQUES

A survey of the best materials and methods of teaching applied music, piano, voice, or violin, or directing choral or instrumental organizations. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Two Hours

ORGANIZATIONS

71, 72. BAND

A vital factor contributing to the spirit of the College is the College Band. Membership is open to all students of band instruments. A limited number of college-owned instruments can be rented each semester on application. Concerts are given each year. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Two Hours

73, 74. CHORAL ORGANIZATIONS

(a) The College Choir and (b) The Chapel Choir.

Two choirs of 40 members each are open for qualified singers. Representative works of the masters of choral composition, both sacred and secular, are studied and performed. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Two Hours

75, 76. ORCHESTRA

This organization, besides being a valuable aid to developing a sense of time and musicianship offers a pleasurable and worth-while opportunity for students of musical instruments that are to be found in a symphony orchestra. Classical and light music are studied and played each semester. Membership is open to all students who qualify after a conference with the director. Concerts are given each year. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

Two Hours

77, 78 or 177, 178. ENSEMBLE MUSIC

Instrumental and vocal ensembles, such as string quartets, brass ensembles, The Collegians, etc., under the direction of the music staff. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.) Credit to be arranged

CURRICULUM FOR MUSIC MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Theory I (Music 5, 6)	3	3
Applied Music (Music 21, 22)	1	1
Freshman English (English 1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
General Psychology (Education 5)	3	
Beginning Language	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
Freshman Physical Education (Physical Education 7, 8) $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	18 $\frac{1}{2}$	15 $\frac{1}{2}$

SOPHOMORE YEAR

Theory II (Music 51, 52)	3	3
Applied Music (Music 55, 56)	1	1
Music Literature (Music 63, 64)	2	2
Religion (51, 52 or 71, 72)	2	2
General Education Basic Science (Science 63, 64)	4	4
Intermediate Language	3	3
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

JUNIOR YEAR

Applied Music (Music 121, 122)	1	1
Counterpoint (Music 107, 108)	2	2
Religion	2	2
Literature	2	2
American History and Institutions (History 91, 92)	3	3
Speech	2	2
Language	2	
Health Principles (Health 59)		2
Applied Arts	2	2
	16	16

SENIOR YEAR

Applied Music, (Music 121, 122)	1	1
History of Music (Music 111, 112)	2	2
Music Electives	4	4
Electives	9	9
	16	16

VISUAL ARTS

The department of Visual Arts seeks to develop in the students an acquaintance with and an appreciation of the masterpieces of art; to aid them in understanding the basic principles of true art and their application to life situations; and to develop as far as possible technical proficiency in artistic performance.

Major Requirements: 30 hours, of which a minimum of 15 must be in the upper biennium. Required courses: Art appreciation, 4 hours, and Senior Project, 2 hours.

Minor Requirements: 18 hours, of which a minimum of 9 must be in the upper biennium. Required course: Art appreciation, 4 hours.

DRAWING AND PAINTING

51. LETTERING

Lectures, laboratory assignments in single stroke Roman, English Text, and other traditional alphabets. Creative modern lettering. Simple layouts. Two Hours

52. ART EDUCATION

A study of the fundamental art principles as applied to the needs of children. Teaching methods. Laboratory assignments in various media of a type suitable for grade school art. (May not be applied on a major or minor in Art.) Two-Three Hours

53. DESIGN

A study of the basic art elements and their function in the composition. Laboratory assignments with definite application of the principles studied. One-Two Hours

57. CERAMICS

Modeling and glazing of simple pottery forms. One-Six Hours

61. SCULPTURE

Modeling or carving in various media. The study of suitability of subject to medium. Special project for preidental students. One-Six Hours

65. FUNDAMENTALS OF DRAWING AND PAINTING

A foundation course in the principles and techniques of drawing and painting. Laboratory assignments in various media. One-Six Hours

103. PAINTING

Landscape, still-life, or portrait painting in oil or water color. One-Eight Hours

107. DESIGN

A study of the art elements and their application to abstract design and studies in layout and illustration. One-Six Hours

199. SENIOR PROJECT

A mural or a series of paintings, or a special project in ceramics, planned for the senior student majoring in Art. This project must exhibit an acceptable degree of technical facility and creative power. Two-Three Hours

ART APPRECIATION

55, 56. ART INTERPRETATION

A study of the fundamental principles of true art, with their application to great works of art and to daily surroundings. Four Hours

117, 118. HISTORY OF ART

A chronological study of the various periods in the development of architecture, sculpture, and painting from the earliest times to the present. Four Hours

CURRICULUM FOR VISUAL ARTS MAJOR

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Beginning Language (French recommended)	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
General Psychology (Education 5)	3	
Health Principles (Health 59)		2
Visual Arts (Selected from 53, 57, 61, 65)	2	3
Freshman Physical Education (Physical Education 7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
Elementary Photography (Recommended)		2
Intermediate Language	3	3
General Education Basic Science (Science 63, 64)	4	4
Fundamentals of Speech (Speech 5-6)	2	2
Music Literature (Music 63, 64)	2	2
Electives on Major Concentration	3	1
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

JUNIOR YEAR

History of Art (Visual Arts 115, 116)	2	2
American History and Institutions (History 91, 92)	3	3
Technical Drawing (Building Construction 41, 42) or Home Economics 59, 109, or 118 (Recommended)	2	2
Language	2	or 2
Applied Arts	2	2
Electives on Major Concentration (Upper Division)	5	5
Electives	2	or 2
	16	16

SENIOR YEAR

Religion (Upper Division)	2	2
Renaissance History (History 151 recommended).	3	
Literature (Upper Division)	2	2
Electives on Major Concentration (Upper Division)	4	3
Electives (8 hours Upper Division)	4	8
	15	15

VII

APPLIED ARTS

FRANK JUDSON, *Chairman*

PAUL S. DAMAZO

YVONNE PASHER SONNELAND

H. RUSSELL EMMERSON

HOME ECONOMICS

Home Economics provides a well-balanced curriculum planned to help each student to understand the responsibilities of a Christian homemaker and to develop the desire and skills to assume these responsibilities, and in addition, to provide for professional training.

Major Requirements: 36 hours, of which a minimum of 18 must be in the upper biennium. Both Bachelor of Science and Arts degrees are offered. Prescribed courses: Home Economics 7, 8, 51, 54, 101 113-114, 110, 118, and 192. Cognate requirement: Chemistry 1-2 or 5-6, Biology 8 or 58 and 158, Visual Arts 55 or 56.

Minor Requirements: 18 hours, of which not less than 6 must be in the upper biennium. Prescribed courses: Home Economics 7, 8, 51, 54.

Students may choose one of the following specializations in counsel with the department head:

General Home Economics: This curriculum meets the requirements of the major stated above and is designed for the potential homemaker.

Home Economics Education: Students choosing this curriculum are counseled to minor in Secondary Education. It provides training for prospective teachers of Home Economics in denominational secondary schools. In addition to general major requirements, the student must include Home Economics 182 and Secondary Education 190.

Foods and Nutrition: Students in this major may qualify for dietetic internships in programs approved by the American Dietetic Association, and prepare for positions as dietitians in hospitals, school cafeterias, and institutional dining rooms. Major requirements should include courses listed as "Required" by the American Dietetic Association. (See page 105.)

FOODS AND NUTRITION

7. FUNDAMENTALS OF FOODS AND NUTRITION

A study of foods and their nutritive values, basic cookery, and marketing. Two class periods with a three-hour laboratory each week.

Three Hours

8. MEAL PLANNING AND SERVICE

Instruction and laboratory practice in the planning, preparation, and serving of meals. Two class periods with a three-hour laboratory each week.

Three Hours

101. NUTRITION

A scientific study of the nutritive essentials. Included are the principles of the chemistry of foods and nutrition, the biological value of food and man's requirements at the various age levels. Three Hours

113-114. ADVANCED FOODS

A study of foods from scientific and economic aspects; their selection and preparation; special attention to the more difficult preparation techniques. Especially designed for the advanced major in Home Economics. One class period and one three-hour laboratory each week. Prerequisite: Foods 7 and 8. Four Hours

115. EXPERIMENTAL FOODS*

A study of the effect of various methods of cooking upon the nutritive value, palatability, and economy of food products. One class period and one three-hour laboratory each week. Two Hours

166. CHILD NUTRITION AND CARE

A study of the nutrition of the child from prenatal life through adolescence. Consideration is given the care of the infant and home training of the child. Two Hours

184. NUTRITION IN DISEASE

A study of the normal diet with modifications necessary in pathological conditions. Prerequisite: 101. Three Hours

CLOTHING AND TEXTILES

51. CLOTHING CONSTRUCTION AND SELECTION I

This course covers the fundamental techniques of garment selection, construction, fitting, and use of commercial patterns with simple problems in original design. Two class periods with one three-hour laboratory each week. Three Hours

52. CLOTHING CONSTRUCTION AND SELECTION II

A study of factors essential to intelligent selection of textiles for clothing and house furnishing with added emphasis on clothing selection and care, and wardrobe planning from the standpoint of beauty, health, and economy. Two class periods with one three-hour laboratory each week. Three Hours

59. FLAT PATTERN DESIGNING*

The use of basic patterns to obtain the desired design. Previous experience in sewing is necessary. Two Hours

109. TEXTILES*

A study of textile fibers, the fundamentals of weaving, the identification of textiles, their choice and care. Two Hours

110. TAILORING

A study of professional techniques of tailoring and their application to women's garments. One class period and one three-hour laboratory each week. Prerequisite: 51 and 52. Two Hours

HOME MANAGEMENT

193. MANAGEMENT IN FAMILY LIVING

The study of the fundamental principles of the Christian home, the inter-relationship of family members, and the selection, care, use, and arrangement of household equipment. Three Hours

195. HOME MANAGEMENT RESIDENCY*

An application of the principles of home management. The student has an opportunity to live in the Home Economics Cottage under guidance of an instructor for six weeks. Two-hour weekly conferences with the instructor will be arranged. Limited to majors and minors. Prerequisite: 193. (May be taken concurrently.) Three Hours

INSTITUTIONAL MANAGEMENT

161. INSTITUTIONAL MANAGEMENT

The study of administrative duties and problems in institutional work, including organization, equipment, personnel, costs, marketing, and service. Three Hours

176. QUANTITY COOKERY

The study of preparation and service of food in large quantity. Laboratory work is done in the college cafeteria and dining room. Three Hours

RELATED ARTS AND CRAFTS

57. CERAMICS (See Visual Arts 57.)

One-Two Hours

118. DECORATING AND FURNISHING THE HOME

A study of principles governing the selection and arrangement of furniture, fabrics, and accessories appropriate for various types of homes. A survey of period furnishings and the contribution of the past to modern furniture manufacture. Prerequisite: Visual Arts 55 or 56. Three Hours

HOME ECONOMICS EDUCATION

181. METHODS OF TEACHING HOME ECONOMICS

This is a study of the secondary school home economics curricula and the methods particularly suited. For majors and minors. Two Hours

BUILDING CONSTRUCTION

The building construction classes are intended to train professional builders and capable craftsmen. For the general college student the aim is to provide an understanding of building problems in the social state. Certain groups who do not plan to become technical specialists will get from prescribed classes orientation sufficient for committee memberships and tentative planning.

Major Requirements: 36 hours, of which a minimum of 18 must be in the upper biennium.

Cognate Requirements: Mathematics 5, 8; 77, 78; Physics 51-52; Economics 1-2; Business 56.

Minor Requirements: 20 hours, of which a minimum of 6 must be in the upper biennium.

11-12. CARPENTRY

This class works on a house or other building during the school year. Each student is given opportunity to become familiar with details of construction through actual practice. Textbook and lecture work precede each building operation. Intensive study of house plans. Wide reading required. One hour class period and six hours laboratory work each week. Six Hours

27, 28. FURNITURE CONSTRUCTION AND CABINET MAKING

A study of the processes, tools, machines, and materials used in the woodworking field. Each student works on a project of his own, selected in counsel with the instructor. One hour class work and three or six hours laboratory work each week. Four or Six Hours

41, 42. TECHNICAL DRAWING

Orthographic projection, lettering, care and use of instruments; sections and auxiliary views, pictorial presentation, dimensioning; pencil and ink tracings; projection principles. Application to practical problems with emphasis on visualization and analysis. Six hours laboratory work each week. Four Hours

51. WOOD LATHE

Spindle, face plate, and chuck turning; metal spinning and pattern making. Two Hours

67. MATERIALS AND METHODS OF CONSTRUCTION

A course designed especially for prospective ministers, teachers, doctors, and administrators who will have to make decisions regarding building problems. This course covers a study of the properties, uses, and comparative costs of building materials and their suitability to various situations. Two hours lecture each week. Two Hours

68. BASIC BUILDING DESIGN

A study of plans and specifications, as a continuation of course 67. Simple drawings required to illustrate principles studied. An attempt is made to help the student understand the meaning of the plan and the fitness of proposed building for its purpose. One lecture and three hours laboratory each week. Two Hours

71. SURVEYING*

Theory and practice of plane surveying; measurement of distances; use and adjustment of transit and level; systematic methods for notes and computations; measurement of angles; leveling; contours; land surveying; mapping.

Prerequisites: Mathematics 5 and 8.

Three Hours

83. STATICS*

Statics; analytical and graphical solutions; composition and resolution of forces; stresses in simple frames.

Prerequisites: 41, 42; Mathematics 5 and 8.

Three Hours

86. STRENGTH OF MATERIALS*

Stress deformation relationships; behavior of materials under stress; theories of failure.

Prerequisite: 83.

Three Hours

107, 108. STRUCTURAL DRAFTING*

Structural details, freehand sketching, shades and shadows, working drawings, blueprinting, mechanical perspective. Complete original drawings of quality sufficient to permit use in erection of buildings are required in the second semester. Six hours laboratory each week.

Prerequisites: 41, 42.

Four Hours

129. MECHANICAL EQUIPMENT OF BUILDINGS*

A study of mechanical, electrical, and plumbing installations in relation to the building; rules, regulations, and codes.

Prerequisites: 11-12.

Three Hours

135. CONTRACTS AND SPECIFICATIONS*

Laws relating to building; contracts; specifications.

Prerequisite: Business 56.

Two Hours

147. STRESSES IN FRAMED STRUCTURES*

Algebraic and graphical analysis of stresses in framed structures, such as roof and bridge trusses, and building frames.

Prerequisites: 83, 86; Mathematics 77, 78.

Three Hours

171. STRUCTURAL DESIGN IN STEEL AND WOOD*

Wood framing; joints and connections; design and computations required for wood trusses, floor systems, beams, girders, and columns. Design of simple steel structures; beams, columns, roof trusses, bents; rivets, tension and compression members.

Prerequisite: 147.

Three Hours

172. REINFORCED CONCRETE DESIGN*

Design of concrete mixtures; forms; working stresses; posts, beams, slabs, T-beams; continuous frames.

Prerequisite: 147.

Three Hours

183, 184. ARCHITECTURAL DESIGN*

The appearance of a building in relation to its setting; structural considerations in planning buildings; economic factors; relation of material to design; provision for equipment; churches, schools, hospitals, mission buildings. One hour lecture and six hours laboratory each week.

Prerequisite: 147.

Six Hours

AGRICULTURE

Minor Requirements: 20 hours, of which a minimum of 5 must be in the upper biennium.

7. VEGETABLE GARDENING

A study of the types of vegetable gardening. Emphasis is placed on varieties and cultural methods of common vegetables.

Two Hours

11. FIELD AND FORAGE CROPS

A study of the distribution, cultural methods, and economic importance of the leading farm crops.

Three Hours

27. POULTRY HUSBANDRY

A general course dealing with the practical phases of the poultry industry.

Two Hours

55. SOILS AND SOIL MANAGEMENT

A course dealing with the genesis, physical and chemical properties, aeration, water movement, and classification of the soil.

Prerequisites: Chemistry 1-2 or 5-6.

Three Hours

67. HOME FRUIT PRODUCTION

Recommended practices in the growing of grapes, strawberries, and bush and tree fruits for home and market are thoroughly surveyed.

Two Hours

81. ANIMAL HUSBANDRY

Development, care, use, and marketing of beef and dairy cattle, sheep, horses, mules, etc.

Four Hours

84. TRUCK AND TRACTOR MECHANICS

Fundamentals of internal combustion; maintaining and repairing of farm engines. Two lectures and one laboratory each week. Three Hours

112. ANIMAL NUTRITION

A study of the fundamental needs and practices in animal nutrition.
Two Hours

178. DAIRY PLANT OPERATION

A course of study planned to train the student in the processing and manufacture of butter, ice cream, and other dairy products. Students successfully completing the course should have no difficulty passing the state examination and becoming licensed plant operators.
Prerequisite: Biology 56. Recommended: Biology 126. Three Hours

188. FARM MANAGEMENT**

The organization of farm enterprises and production units. Farm records and cost accounts.
Prerequisite: Minimum of six hours of lower biennium Agriculture.
Two Hours

MISCELLANEOUS

15. RADIO I

An elementary study of radio circuits and the application of vacuum Tubes to such circuits. Two hours of theory and three hours laboratory per week.
Three Hours

16. RADIO II

A study of the radio station; receivers, transmitters and antenna systems. Laboratory includes the actual construction and testing of a radio receiver, audio amplifier or similar electronic equipment. Two hours theory and three hours laboratory per week.
Prerequisite: 15 or equivalent.
Three Hours

21. PHYSICS OF FLIGHT (See Physics section for description of course.)
Two Hours

26. AERIAL NAVIGATION

Chart reading; the basic wind triangle; special problems of navigation by dead reckoning; use of radio navigation facilities.
Two Hours

53. ELEMENTARY PHOTOGRAPHY

A beginning course in photography. One hour theory and three hours laboratory per week.
Two Hours

57-58. LIBRARY SCIENCE

Designed to help the student to use library facilities and to determine his aptitude for the profession of librarianship. Lessons and projects are prepared on the evolution of the book, the history of libraries, classification, cataloging, bibliography, and use of periodicals and reference material, and the principles of book selection. The work consists of one class hour and one three-hour laboratory period per week or equivalent. The course has general value and is open to any college student.
Four Hours

CURRICULUM FOR MAJOR IN FOODS AND NUTRITION (B.S.)

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Introductory Chemistry (Chemistry 1-2) or General Chemistry (Chemistry 5-6)	4-5	4-5
Fundamentals of Foods and Nutrition (Home Economics 7)	3	
Meal Planning and Service (Home Economics 8)		3
Freshman Physical Education (Physical Education 7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
	15-16 $\frac{1}{2}$	15-16 $\frac{1}{2}$

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Microbiology (Biology 8)		4
Fundamentals of Speech (Speech 5-6)	2	2
Principles of Accounting (Business Administration 5, 6)	3	3
Electives on Major Concentration	3	3
Electives	3	
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	17 $\frac{1}{2}$

JUNIOR YEAR

Human Physiology I and II (Biology 157, 158)	2	2
Literature	2	2
Experimental Foods (Home Economics 115)	2	
Advanced Foods (Home Economics 113-114)	2	2
Nutrition (Home Economics 101)	3	
Nutrition in Disease (Home Economics 184)		3
Child Nutrition and Care (Home Economics 166)		2
Personality and Mental Hygiene (Education 107)	2	
Organic Chemistry (Chemistry 113-114)	4	4
Electives		1
	17	16

SENIOR YEAR

Religion	2	2
Management in Family Living (Home Economics 193)	3	
Institutional Management (Home Economics 161)	3	
Quantity Cookery (Home Economics 176)		3
Methods of Teaching Home Economics (Home Economics 181)	2	
Marriage and the Family (Sociology 174)		2
Electives	6	9
	16	16

CURRICULUM FOR BUILDING CONSTRUCTION MAJOR (B.S.)

FRESHMAN YEAR		First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	.	2	2
History of Western Civilization (History 1, 2)	.	3	3
Freshman English (English 1-2)	.	3	3
Algebra (Mathematics 5)	.	3	
Trigonometry (Mathematics 8)	.		3
Carpentry (Building Construction 11-12)	.	3	3
General Psychology (Education 5) or Elective	.	2-3	2-3
Freshman Physical Education (Physical Education 7, 8)	.	$\frac{1}{2}$	$\frac{1}{2}$
		16 $\frac{1}{2}$	16 $\frac{1}{2}$

SOPHOMORE YEAR			
Religion (51, 52 or 71, 72)	.	2	2
General Physics (Physics 51-52)	.	4	4
Technical Drawing (Building Construction 41, 42)	.	2	2
Furniture Construction and Cabinet Making (Building Construction 27, 28)	.	3	3
Calculus I and II (Mathematics 77, 78)	.	4	4
Health Principles (Health 59)	.		2
Physical Education	.	$\frac{1}{2}$	$\frac{1}{2}$
		15 $\frac{1}{2}$	17 $\frac{1}{2}$

JUNIOR YEAR			
Statics (Building Construction 83)	.	3	
Strength of Materials (Building Construction 86)	.		3
Structural Drafting (Building Construction 107, 108)	.	3	3
Literature	.	2	2
Speech	.	2	2
Principles of Economics (Economics 1-2)	.	3	3
American History and Institutions (History 91, 92)	.	3	3
		16	16

SENIOR YEAR			
Religion	.	2	2
Business Law (Business Administration 56)	.		3
Stresses and Framed Structures (Building Construction 147)	.	3	
Contracts and Specifications (Building Construction 135)	.		2
Structural Design in Steel and Wood (Building Construction 171)	.	3	
Reinforced Concrete Design (Building Construction 172)	.		3
Architectural Design (Building Construction 183, 184)	.	3	3
Electives	.	4	2
		15	15

VIII

BUSINESS AND SECRETARIAL SCIENCE

RALPH L. KOORENNY, *Chairman*

KARL F. AMBS

LOIS MCKEE

IRENE E. ORTNER

BUSINESS ADMINISTRATION

The objective of the Business Administration Department is to prepare students for competent business service in denominational, commercial, and government employment, and to instill a high degree of moral responsibility as an aid to proper relationships with employing organizations, the church, and the community.

Major Requirements: 38 hours, of which 18 must be in the upper biennium. Required Courses: Business 5, 6; 53; 56; 112; 123; 145; 148; Economics 1-2. Majors are also required to complete the following from other subject fields: Speech, 4 hours; Secretarial Science 53; and 5, 6 or equivalent. Six hours upper biennium Secretarial Science may be applied toward this major.

Minor Requirements: 18 hours, of which a minimum of 6 must be in the upper biennium.

- 1-2. PRINCIPLES OF ECONOMICS (See Social Sciences section for description of course.) Six Hours

5, 6. PRINCIPLES OF ACCOUNTING

The fundamental principles of modern account keeping. Business transactions and accounting techniques are studied in text material, class discussion, and laboratory practice. Two hours lecture and three hours laboratory each week. Six Hours

51. ACCOUNTING FUNDAMENTALS**

Theory and practice of accounting, personal financial records, church accounting records, analysis of institutional and conference financial statements. Designed especially for ministerial students. Two Hours

53. INTERMEDIATE ACCOUNTING

Intensive study of accounting records, end-of-period procedures, correction of profits, analysis of accounting statements, accounting implications of corporate organization, with special emphasis on accounting for stocks and surplus. Two hours lecture and three hours laboratory each week. Three Hours

56. BUSINESS LAW

The general principles of law governing contracts, with special emphasis on negotiable instruments, agency, buying and selling transactions, real estate transactions, and insurance. Three Hours

61. MACHINE BOOKKEEPING

The theory and practice of machine bookkeeping, with emphasis on the operations of the National Bookkeeping Machine.

Prerequisites: 5, 6 and Secretarial Science 53.

One Hour

112. ADVANCED ACCOUNTING**

Detailed study of current assets, tangible and intangible fixed assets, investments, liabilities, reserves, and problems in determination of income. New developments in accounting theory and practice.

Three Hours

123. MONEY, BANKING, AND CREDIT**

The banking system of the United States and its functions. The monetary system; credit and its functions. The relationship of banking, money, and credit to business.

Prerequisite: Economics 1-2.

Three Hours

127-128. ADVERTISING*

The psychology, mechanics, and art of advertising; analysis of current practices in modern media; application of principles to assigned problems in market research and advertising.

Four Hours

131, 132. MARKETING*

The study of the distributive process from the producer to the consumer. Buying motives, channels of distribution, cost of distribution, and the functional approach to the various middlemen in the distributive process.

Prerequisite: Economics 1-2; first semester is prerequisite to the second.

Four Hours

141. CURRENT ECONOMIC PROBLEMS (See Social Sciences section: Economics, for description of course.)

Three Hours

145. COST ACCOUNTING**

Techniques of accounting for materials, labor, and overhead. Interpretation of the elements of cost to management as a basis for controlling manufacturing activities and measuring achievement.

Prerequisite: 53.

Two Hours

148. ACCOUNTING SYSTEMS*

The study of various accounting systems; methods of organizing accounting operations; includes a study of the organization of denominational finance and administration.

Two Hours

172. BUSINESS FINANCE

Financial problems of business organization; launching of an enterprise; sources of capital; principles of borrowing; relation of finance to the business cycle; distribution of earnings; reorganization.

Prerequisite: 5, 6.

Three Hours

188. ELEMENTS OF STATISTICS*

An introduction to the study of the various statistical methods and techniques of gathering, analyzing, and interpreting data, with applications in the fields of business and education.

Three Hours

SECRETARIAL SCIENCE

The four-year degree program in Secretarial Science is designed to prepare the student for professional secretarial work in denominational or commercial offices and to combine the broad cultural background of a college education with thorough training in basic business skills.

Major Requirements: 34 hours, of which a minimum of 15 must be in the upper biennium. Required courses: Secretarial Science

57, 58; 63, 64; 14; 53; 70; 73; and 75. A maximum of 4 hours in Business or Economics may be included in the total upper biennium hours. Cognate requirement: Economics 1-2.

Minor Requirements: 18 hours, of which a minimum of 5 must be in the upper biennium. Required courses: Secretarial Science 63 and 70.

A two-year program is suggested for those who may not wish to qualify for a degree. Adequate preparation in basic skills is provided to prepare the student for stenographic or clerical office positions. (See page 106 for a description of the Curriculum.)

TYPEWRITING

5, 6. TYPEWRITING I

A study of the techniques of touch typewriting as applied to business and personal use. (First semester or equivalent is prerequisite to the second semester.)

Two Hours

57, 58. TYPEWRITING II

Emphasis on increased speed, accuracy, and skill in the typing of letters and business projects. (First semester is prerequisite to the second semester.)

Prerequisite: 5, 6 or equivalent.

Two Hours

SHORTHAND

7. BEGINNING SHORTHAND

Theory of Gregg Shorthand Simplified; simple dictation of familiar material.

Four Hours

8. SHORTHAND DICTATION

Speed-building dictation of new material; elementary transcription on the typewriter.

Prerequisite: 7 or equivalent.

Four Hours

63, 64. DICTATION AND TRANSCRIPTION

Further developement of shorthand speed plus intensive training in fast and accurate transcription of mailable letters. The second semester includes work in denominational vocabulary. Class meets three times a week for a double period. (First semester is prerequisite to the second semester.)

Prerequisite: 8 or equivalent.

Eight Hours

108. ADVANCED SHORTHAND

Rapid dictation and transcription of Congressional and denominational material.

Prerequisite: 53.

Three Hours

172. MEDICAL STENOGRAPHY*

Shorthand and machine dictation and transcription of material selected from medical case histories, letters, and hospital records.

Prerequisite: 63.

Two Hours

OFFICE PRACTICE

14. SECRETARIAL ACCOUNTING

Instruction in accounting fundamentals adapted to the needs of future secretaries and stenographers. Will not apply on a Business major or minor. Offered both semesters. Three Hours

53. BUSINESS MACHINES

Instruction and practice on various types of calculating, adding, and duplicating machines. Offered both semesters. Prerequisite: 5, 6 or equivalent. One Hour

70. SECRETARIAL PRACTICE

Instruction in office procedures, business ethics, and the personal qualifications of the secretary. Two class periods and a three-hour laboratory each week. Prerequisite: 57. Three Hours

73. MACHINE TRANSCRIPTION

Instruction and practice in the use of the Dictaphone, with emphasis on fast and accurate transcribing from the secretarial unit. Prerequisite: 5, 6 or equivalent. One Hour

75. INDEXING AND FILING

A study of the filing systems most commonly used in business; practice in both card and correspondence filing. Offered both semesters. Prerequisite: 5, 6 or equivalent. One Hour

161. BUSINESS COMMUNICATIONS

The composition and dictation of business letters and reports. Three Hours

164. OFFICE MANAGEMENT*

The planning and organizing of business and secretarial offices. Special attention is given to the training of office employees, the selecting of equipment, the planning of office space, and organizing the flow of work through the office. Three Hours

181. TECHNIQUE AND MATERIALS FOR THE TEACHING OF SHORTHAND AND TYPEWRITING*

Lectures, class discussions, and assigned reading on the techniques of teaching shorthand and typewriting. Two Hours

CURRICULUM FOR B.S. IN BUSINESS ADMINISTRATION

FRESHMAN YEAR

	First Semester	Second Semester
Principles of Accounting (Business Administration 5, 6)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
History of Western Civilization (History 1, 2)	3	3
Typewriting I (Typewriting 5, 6)	1	1
General Education Basic Science (Science 63, 64)	4	4
Freshman Physical Education (Physical Education 7, 8)	½	½
	16½	16½

SOPHOMORE YEAR

Principles of Economics (Economics 1-2)	3	3
Intermediate Accounting (Business Administration 53)	3	
Business Law (Business Administration 56)		3
Speech	2	2
Religion (51, 52 or 71, 72)	2	2
American History and Institutions (History 91, 92)	3	3
Business Machines (Secretarial Science 53)	1	
Health Principles (Health 59)	2	
Electives		3
Physical Education	½	½
	16½	16½

JUNIOR YEAR

Cost Accounting (Business Administration 145)	2	
Accounting Systems (Business Administration 148)		2
Advanced Accounting (Business Administration 112)		3
Religion	2	2
Applied Arts	2	2
Upper division Major and Minor Electives	10	7
	16	16

SENIOR YEAR

Literature	2	2
Money, Banking, and Credit (Business 123)		3
Upper division Major and Minor Electives	14	11
	16	16

CURRICULUM FOR B.S. IN SECRETARIAL SCIENCE

FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 1, 2)	3	3
Freshman English (English 1-2)	3	3
Speech	2	or 2
Secretarial Accounting (Secretarial Science 14)	3	or 3
*Beginning Shorthand (Secretarial Science 7)	4	
*Shorthand Dictation (Secretarial Science 8)		4
*Typewriting I (Secretarial Science 8)	1	1
Freshman Physical Education (Physical Education 7, 8) ½	½	½
	15½	16½

*Students having the equivalent of all or part of these may substitute second-year shorthand and typewriting or electives.

SOPHOMORE YEAR

Religion (51, 52 or 71, 72)	2	2
Principles of Economics (Economics 1-2)	3	3
General Education Basic Science (Science 63, 64)	4	4
Health Principles (Health 59)	2	or 2
Indexing and Filing (Secretarial Science 75)	1	or 1
Business Machines (Secretarial Science 53)	1	or 1
*Dictation and Transcription (Secretarial Science 63, 64)	4	4
*Typewriting II (Secretarial Science 57, 58)	1	1
Physical Education	½	½
	16½	16½

*Students taking these in the freshman year substitute American History and Institutions (6 hours) and electives (4 hours).

JUNIOR YEAR

American History and Institutions (History 91, 92)	3	3
Upper Division Electives on Major	7	4
Secretarial Practice (Secretarial Science 70)		3
Machine Transcription (Secretarial Science 73)	1	
Literature	2	2
Electives	3	3
	16	15

SENIOR YEAR

Upper Division Electives on Major	3	3
Religion	2	2
Literature or Speech	2	
Electives	9	11
	16	16

SPECIAL CURRICULUMS

THEOLOGY

La Sierra College Theology training program is designed to prepare preachers and teachers for a professional career in the highest sphere of human experience and thought in the realm of religion. The purpose of this training requires that a careful selection of candidates for admittance be made not only on the basis of preparatory scholastic accomplishments, but also on the basis of spiritual qualities, social sympathies, cultural refinement, and aptitude for the ministry

Candidates for the ministry are eligible for ministerial internship after the completion of 128 college hours leading to a Bachelor of Arts degree with a major in theology, and a fifth year at the Theological Seminary. The fifth year will be a full year of four quarters of work required by the Seminary for the degree of Master of Arts in Religion.

The fifth year will be of graduate level, with at least one-third of the load practice in evangelism or church work, or training courses in which theory and practice are blended, the degree of Master of Arts in Religion to be conferred at the end of this year.

No student will be graduated with a recommendation to the ministry or to graduate work merely on the basis of the accumulation of the required number of credit hours.

Specific Requirements:

Religion Courses	Semester	Hours
Life and Teachings of Jesus	4	
Bible Doctrines	4	
Daniel and Revelation (U. D.)	5	
New Testament Epistles	6	
Gift of Prophecy	3	
Homiletics	6	
Old Testament Prophets	6	
Philosophy of Religion	4	
Cognate Courses		
History of the Christian Church	6	
Speech	6	
Evangelism	4	
Health Evangelism	2	
Greek 7-8, 65-66	14	
Recommended Electives		
Religion (Courses 101, 132, 134, 118)	10	
Greek or Hebrew		
History (Courses 103, 104)	4	
Accounting	2	
Education (Course 107)	2	
Science (Course 183)	3	
Typewriting	2	

PREMEDICAL

La Sierra College offers students opportunity to prepare themselves for admission to medical colleges.

In planning their college courses, premedical students should include those courses required by the admission committee of the medical college to which they plan to apply. Careful attention should be paid to prerequisites and to the proper sequence of courses. Guidance in these matters should be sought from the members of the staff. A college degree is necessary for admission to most medical schools. With this in mind, students should decide on a major concentration, preferably by the beginning of the second year, and should include the liberal arts requirements in their courses.

For recommendation to the College of Medical Evangelists, a student should:

- a. Maintain a satisfactory conduct and character rating.
- b. Reach a minimum scholarship average of 1.5 in both science and non-science courses.
- c. Take the medical aptitude test during the 12 months preceding his application.
- d. Receive credit in the courses required by the College of Medical Evangelists for admission. These courses are as follows:

	Semester Hours
Chemistry	16
Physics	8
Biology	8
Embryology	3
Genetics (recommended)	3
Freshman English	6
French, German, or Spanish*	6-12
American History and Institutions**	6
Religion	12

*When the language taken in college is the same in which the student earned two units on the secondary (high school or academy) level, the minimum requirement on the college level is 6 hours. If a new modern language is begun on the college level, the minimum requirement is 12 hours. If no foreign language was taken on the secondary level, for the student who does not have a high school diploma, the total college-level requirement is 14 hours. Students taking two years of Latin in high school must begin one of the above modern languages on the college level and complete 12 semester hours in the same language.

**This course is so organized that it fulfills the California state requirement for California history and constitution.

PREDENTAL

La Sierra College offers students opportunity to prepare themselves for admission to dental colleges.

In planning their college courses, predental students should include those courses required by the dental school to which they plan to apply. Careful attention should be paid to prerequisites and to

the proper sequence of courses. Guidance in these matters should be sought from the members of the staff.

For recommendation to the College of Medical Evangelists Dental School, a student should:

- a. Maintain a satisfactory conduct and character rating
 - b. Reach a minimum scholarship average of 1.5 in both science and non-science courses.
 - c. Take the Dental Aptitude Test.
 - d. Receive credit in the courses required by the College of Medical Evangelists for admission to the dental school.
- These courses are as follows:

	Semester	Hours
Freshman English	6	
General Chemistry	10	
Organic Chemistry	8	
Zoology (first semester)	4	
Botany (first semester)	4	
Physics	8	
California Constitution and Government*	1	

(This course is so organized that it fulfills the California state requirement for California history and constitution.)

PRELAW

The legal profession is one of the most important and rewarding callings of modern life. Law schools are almost unanimous in requiring as entrance credits thorough liberal arts education (three years or a degree), with adequate courses in history, economics, sociology, political science, English, speech. The Bachelor of Arts curriculum at La Sierra College meets the requirements. Specific advice will be given to any student as soon as he has selected the law school where he expects to enroll.

PRENURSING

Below are the regular requirements for prenursing. In some schools of nursing, psychology and sociology are recommended as substitutes for the courses which are starred. Registrant will be advised according to the requirements of the particular school of nursing he intends to enter.

	First Semester	Second Semester
Religion	2	2
Introductory Chemistry	3	3
Freshman English	3	3
Anatomy and Physiology	4	2
*History of Nursing	2	
Microbiology		4
*Health Principles		2
Physical Education	$\frac{1}{2}$	$\frac{1}{2}$
Electives		16 $\frac{1}{2}$

PREDIETETICS

Listed below are the academic requirements for entrance to dietetic internships as required by the Executive Board of The American Dietetic Association.

	Semester Hours
Chemistry	12
General Inorganic	
Organic	
Physiological Chemistry with laboratory	
Biology	6
Human Physiology	
Bacteriology	
Social Sciences	9
Selected from at least 2 of the following:	
Psychology, Sociology, Economics	
Education	3
At least one of the following: Educational	
Psychology, Methods of Teaching,	
Principles of Education	
Foods	6
Food Selection and Preparation	
Meal Planning and Service	
Nutrition and Dietetics	6
At least 2 of the following: Normal	
Nutrition (general), Advanced Nutrition,	
Diet in Disease	
Institution Management	6
Quantity Cookery	
Organization and Management	

PREMEDICAL TECHNOLOGY

College work totaling 96 semester hours is required, as preparation for medical technology. The required courses are listed below in the approximate order in which they should be taken.

	Semester Hours
Religion*	12
Freshman English	6
Mathematics	6
General Chemistry	10
General Zoology	8
Physical Education	1
Language	6
General Physics	8
Quantitative Analysis	4
Microbiology	4
Mammalian Anatomy	2
Organic Chemistry	8
Physiology	3
American History and Institutions**	6
Biochemistry	4
Electives	8

*Two hours of religion for every hour of attendance.

**This course is so organized that it fulfills the California state requirement for California history and constitution.

PREPHYSICAL THERAPY

College work totaling 64 hours is required as preparation for Physical Therapy. The required courses are listed below in the approximate order in which they should be taken

	Semester Hours
Religion**	8
Freshman English	6
General Zoology	8
General Chemistry	10
Microbiology	4
General Psychology	3
Physical Education	1
General Physics	8
Quantitative Analysis	4
Mammalian Anatomy	2
American History and Institutions†*	6
Electives	4

**Two hours of religion for every semester of attendance.

†This course is so organized that it fulfills the California state requirement for California history and constitution.

*This requirement can be met by waiver examination or by taking American History and Institutions (History 91, 92), or National, State, and Local Government (Political Science 57, 58).

Electives are to be chosen in counsel with adviser. Suggested by the College of Medical Evangelists are such courses as physics, organic chemistry, biochemistry, embryology, educational psychology, human anatomy, and public speaking

PRE-X-RAY TECHNIQUE

One year of college work with a total of 32 semester hours is required as preparation for X-ray technique

The course of study must include college physics. It is also recommended that courses in chemistry, anatomy, and physiology be taken.

TWO-YEAR STENOGRAPHIC

	Semester Hours
Religion	6
Freshman English	6
American History and Institutions	6
Speech	2
Physical Education	2
Secretarial Accounting	3
Typewriting	4
Shorthand (optional)	16
Secretarial Practice	3
Business Machines	1
Indexing and Filing	1
Machine Transcription	1
Electives	13









FINANCIAL INFORMATION

All charges, with the exception of board, are applicable throughout the school year. No refunds are granted during vacation periods. However, if a student leaves the campus for more than one week at a time he will not be charged the full amount of the minimum board.

SCHEDULE OF RATES AND CHARGES

At the time of registration all students are required to pay the cashier their guarantee deposit before beginning registration.

The guarantee deposit is \$85.00 for resident (boarding) students and \$45.00 for non-boarding, or day, students. Veterans living in the residence halls will be required to pay \$50.00. Students living in the college-owned residences will be required to pay one month's rent in advance. These deposits will be held in trust until the last month of the school year, or until the student leaves the college. Students registering after the regular registration will be required to pay a fee of \$5.00. (See page 28.)

Each student who enrolls in one or more chemistry courses is required, in addition to the above, to purchase, at the time of enrollment, one breakage ticket, the price of which is \$10.00; \$5.00 breakage tickets are required in biology courses using breakable equipment. Should the ticket be consumed before the end of the course, a new one is to be purchased. The unused portion of a ticket is redeemable at the end of the course. The breakage ticket is drawn upon to pay for equipment which the student damages or destroys in his work.

Each student planning to live in a residence hall at the college must pay a \$10 room deposit. This deposit will be held in reserve until two weeks after the student has checked out of the hall. If for any cause the student should be unable to attend school, in order to obtain the refund of the room deposit made for the fall semester, notification must be received by the college on or before August 15.

TUITION

The entrance fee, all laboratory fees, all rentals (typewriter, piano, and organ), and the Associated Student Body fees are included in the tuition. Students taking less than 4 hours are not entitled to student publications or Associated Student Body privileges because the cost of these has not been added to the tuition they pay.

Schedule of tuition charges per semester:

<i>Credit</i>	<i>Hours</i>	<i>Tuition</i>	<i>Credit</i>	<i>Hours</i>	<i>Tuition</i>
1	\$ 16.35	9	.....	150.65
2	32.70	10	.....	167.00
3	49.05	11	.....	183.35
4	68.90	12	.....	199.70
5	85.25	13-16	.....	216.00
6	101.60	17	.....	232.40
7	117.95	18	.....	248.75
8	\$134.30			

The above tuition charges are payable in four semestral installments as follows: First semester, October 31, November 30, December 31, and January 31; second semester, February 28, March 31, April 30, and May 31. Tuition for summer school is charged in June for the first session and in July for the second session. Statements are prepared each calendar month and are payable when presented.

Students living in the village or surrounding communities pay tuition on the same basis as dormitory students.

ROOM RENT

Gladwyn Hall and Mu Beta Kappa	\$20.00 per month
Angwin Hall and Calkins Hall	21.00 per month
Special rooms in Angwin Hall and Calkins Annex	22.00 per month

The above charges are on the basis of two students in a room and include free laundry up to \$2.00 per month. Anything above \$2.00 will be charged extra. No refund will be made if a student does not avail himself of the services of the laundry. All the rooms in the residence halls are equipped with twin beds, twin closets, and hot and cold running water. The corner rooms in Angwin Hall and Calkins Annex are equipped with full bathroom facilities.

If a student wishes to room alone, he may be permitted to do so, as long as rooms are available, at an extra charge of \$5.00 a month.

Each student is furnished a key for which he signs when he occupies the room. No key deposit is charged. Unless the room key is returned to the dean and the room left in good order a charge as stated in "Among the Palms" will be made against the student and deducted from the room deposit.

Students may have a maximum of 200 watts of electricity in their rooms; any excess wattage will be charged extra.

The Health Service fee applies toward the expenses of maintaining a nursing staff at the college. It does not include doctor's fees, special prescriptions, prolonged nursing care, or physical therapy treatments.

If a student finds it necessary to receive hospitalization in the infirmary, a charge of \$1.00 per day for its use will be made.

PRIVATE MUSIC AND SPEECH LESSONS

The fee for private lessons (half hour) is \$32.00 per semester for one lesson a week; \$52.00 per semester for two lessons a week. Single lessons are \$2.50 each. No refunds are made for occasional absence, whether caused by sickness or other reasons. Lessons falling on holidays, field days, or vacations are not made up. Lessons missed through the fault of the instructor will be made up. When the lessons taken in a semester number less than 8, they will be charged for at the single lesson rate of \$2.50. In addition to the private lesson fee there is a regular tuition charge for the amount of credit earned.

FEES

APPLICATION FEE:

A fee of \$2.00 is required with the application from every new student. Students who have previously registered in the college or academy and have been continuous in attendance will not be required to pay the application fee. This fee is to pay for the checking of transcripts and recommendations.

MEDICAL EXAMINATIONS:

All students are required to have completed physical examination blanks on file at the college when they come to register. Failure to do this will necessitate the taking of a physical examination at the college, for which a \$3.00 charge will be made by the college, payable in advance. No one will be allowed to begin registration until the medical blank has been approved.

SPECIAL FEES:

Special examination	\$ 3.00
Late class change	1.00
Degree	5.00
Diploma — Professional	5.00
Late registration	5.00
Medical Aptitude Test	10.00
Reregistration Fee	3.00
Biology Field Course (transportation)	5.00

Students taking music or typing *only* would pay the following rentals:

	Per Month
Typewriter, one period per day	\$ 1.50
Music Instruments	1.50
Music Rentals	Per Semester
Practice Room, one hour a day	\$ 5.00
Practice Room, two hours a day	8.00
Pipe Organ, Estey, two hours a week	14.00
Pipe Organ, Wurlitzer, three hours a week	14.00

Single practice periods are charged as follows:

	Per Hour
Estey Organ	\$.50
Wurlitzer Organ .....	.35

COLLEGE BOOK STORE

School supplies and stationery may be secured at the College Store. All books are available at the Book Store on the ground floor of the Administration building. All purchases are on a cash basis.

MISCELLANEOUS FINANCIAL INFORMATION

No student is allowed to draw cash on his account unless the business office has a written authorization from the person responsible for the account. All checks paying school expenses should be made out to the college. All checks for personal cash are to be made out

to the students, not the college. Please do not combine money to be given to students with the check which pays the school bill. Purchase of books are personal items that the student buys for cash, and they are not considered as part of the school bill.

Withdrawals on credit balances will be permitted after the statements have been received by the student, which is usually the 6th of the month.

Tuition charges are based upon the number of hours of college credit in the course for which the student has registered, as shown by the records in the office of the registrar and business office. The same tuition is charged whether the course is taken for credit or audit.

Vouchers must be obtained from the registrar, properly signed and returned to the registrar, for class changes, including courses dropped for which tuition rebates are desired. Such rebates will be effective at the end of the week in which the voucher, properly signed, is filed with the registrar. Rebates are not retroactive. Students who wish to discontinue school during a semester must file with the registrar a drop voucher covering all classes being dropped, in order to merit an honorable dismissal on the transcript of record.

Rebates on residence hall expenses will be made only when the room is vacated and the key turned in to the dormitory dean.

Diplomas, transcripts of credits, and semester grades will not be issued until accounts with the college are fully paid.

One complete transcript of credits will be made upon request, free of charge. A fee of one dollar will be charged for each additional transcript.

Students transferring from other schools are asked to present statements to show that accounts with other schools have been paid or satisfactorily settled.

The college reserves the right to withhold payment of any balance payable to a student for a period of two weeks after he leaves school in order to be certain that all charges and credits have been recorded on his account.

BOARD

Board is furnished on the cafeteria plan. The meals are served in a beautiful up-to-date dining room, which is equipped with the latest hygienic equipment obtainable.

The minimum charge for dormitory students per month for men is \$20.00; for women, \$16.00.

STUDENT BILLS

Money for the payment of accounts should be sent directly to the business office of the college and should be made payable to La Sierra College. Bills are payable ten days from the close of the month.

REFUNDS

The guarantee deposit will be refunded or credited to the account at the end of the school year, or whenever the student withdraws.

THE STUDENT BANK

Provision is made for students to deposit in the Student Bank in the business office of the college such money as they may wish to have on hand for books, school supplies, and personal expenses. This money the student may withdraw at any time without question, or as parent or guardian may designate, by signing the passbook.

LABOR FOR STUDENTS

Students who desire to work any considerable portion of their school expenses should, if possible, arrange for their labor assignments before making up their class programs. Those working twenty-one to thirty hours per week are permitted to carry twelve to fourteen semester hours of school work; those working thirty-one to forty hours are permitted to take ten semester hours. Only students taking the minimum of eight semester hours may work forty hours per week.

It is especially stipulated that labor given to students is not paid for in cash, but all earnings are to be credited to the account of the student for tuition, fees, and resident expenses. Labor credits cannot be transferred to any person without written permission of the person having the credit. Students accepting employment in any department agree to the provisions as stated above.

SCHOLARSHIPS AND AIDS

MILITARY VETERANS

Veterans wishing information as to the benefits to which they are entitled and the procedure for obtaining these benefits may apply to the nearest office of the Veterans Administration. Veterans who were citizens of California at the time of induction may obtain additional aid from the California Veterans Welfare Board. Application forms may be obtained from the board office in Sacramento.

La Sierra College has been authorized to admit veterans of World War II and Korean Veterans under the Vocational Rehabilitation Program (partial disability, *Public Law* 16, 78th Congress, 1943), and the Servicemen's Readjustment Act (the "G. I. Bill," *Public Law* 346, 78th Congress, 1944; and *Public Law* 550, 82nd Congress, 1952.)

Veterans wishing to attend school under the provisions of *Public Law* 346 should plan to have a "Certificate of Eligibility and Entitlement" (Form 1950 or 1953) from the Veterans Administration to submit when registering. Entitlement to training under *Public Law* 16 should be evidenced by a letter authorizing such training and signed by the training officer for this region. If you wish to attend

under *Public Law 550*, you should secure "Certificates for Education and Training," Form 7-1993 from the Veterans Administration to submit at time of registration. Veterans under *Public Law 550* must pay the regular guarantee deposit at the time of registration and all expenses incurred thereafter as the Veterans Administration sends the benefits to the veteran and not directly to the school.

Veterans planning for training under the State of California Educational Institute plan should evidence their intention by presenting an "Authorization Certificate" from the State of California.

Veterans who cannot furnish a certificate when registering must pay the regular guarantee deposit. All veterans should plan to enter school with the understanding that items suspended by the Government, either State or Federal, will be paid by the student. Veterans will do well to plan to have sufficient funds to cover at least two months' living expenses when applying for veterans benefits. Personal accounts for board, room, and laundry must be paid each month as presented. The college cannot carry personal accounts in anticipation of government subsidies.

COLPORTEURS

Students who wish to sell Seventh-day Adventist literature will be awarded special scholarships which will be arranged between the publishers, the conferences, and the college.

ENROLLMENT ANALYSIS 1953-54

Regular Semesters	Men	Women	Total
Freshmen	159	150	309
Sophomores	91	52	143
Juniors	97	41	138
Seniors	72	26	98
Postgraduates	19	11	30
Unclassified	9	21	30
Part-time	2	3	5
Extension — College	1	70	71
Summer Sessions 1953			
Freshmen	8	8	16
Sophomores	12	23	35
Juniors	33	48	81
Seniors	28	11	39
Postgraduates	25	6	31
Unclassified	4	7	11
College Total			1037

GRADUATES OF 1953

BACHELOR OF ARTS

James Edwin Adams	Darrell Clinton Mayberry
Ray Hubert Ball	Herman A. Mills
Marvin Irwin Beams	Robert Milton
Charles W. Beckett	Barbara Joan Camp Moore
Theresa Bombino	Margaret Ruth Moran
Robert A. Buchanan, III	Robert George Myers
Leona June Carscallen	Eugene Walter Nash
Thomas J. Cates, Jr.	Peggy C. H. Nip
Mac Verl Chalmers	Jacques R. Normand
Neville Orlando Chan	Mary Eleanor Olsen
H. O. Collier, III	William Edward Parks
Augustine Cortez	John Pelt, Jr.
Curt Louis Daggy	Donovan Russell Peterson
Harry Edward Darby	Mauritz Peterson
Lawrence E. Dasher	Edward Wendell Pohlman
Lloyd L. Diminyatz	Ralph Eugene Prout
Walter Clarence Earle, Jr.	Oran Kent Reiswig
Harvey C. Eifert	Kenneth Eastman Halbert Richards
Waldemar Fredrick Elsner	Herbert F. Russell
Jesse R. Flack	Paul D. Saunders
Philip Stanley Follett	Hilda Scheffler
Darrow Allen Foster	Jerald Beverley Schilling
William I. Garcia	Reidar Schmidt
Donald Verne Gibbs	Gunther R. Schueller
David Walter Greene	Harry Sharp
Edward Martin Gross, II	James Jess Smith
Herndon P. Harding	Robert Sydney Smith
Irvine Harvey Helm	Vernon Leroy Stafford
Delmar L. Herrick	Robert Maurice Stanley
Florence Evelyn Hill	William M. Swart
Arthur G. Howard	Ernest LeRoy Taylor
Vernon Jones	Shirley Ann Templeton
Joe Jordan	George B. Tome, Jr.
Carroll McKinley Lawson	Calvin George Unterseher
Annabelle Helen Lee	Glenn O. Van Meter
Robert Neale Lee	Morris L. Venden
Willard W. Leiske	Floyd E. Vipond
Kenneth Leon Lorenz	Florence E. Wildfong
Aileen Hung Lin Lung	Beverly Dawn Wykoff
Dale Franklin McMurray	Robert Edward Young
Ned McMurry	John Blanchard Youngberg
A. Warren Matheson	

BACHELOR OF SCIENCE

Thomas Jesse Bewley	Delvin Claire Michalenko
James L. Bothe	Herman A. Simpson
Mildred Cates	Patricia LaVonne Gober Sorenson
Deltalee Gates	L. Thomas Sparks
Evelyn Rost Herrmann	James Lawrence Strachan
Benjamin Arthur LeDuc	Ellenor Wachter
Frances Litvin	Bessie B. Wat

BACHELOR OF MUSIC EDUCATION

Capitola Frances DeLyle

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• NEWBURY PARK ACADEMY

Mt. Wilson

• GLENDALE UNION ACADEMY

• GLENDALE SANITARIUM

Occidental College

Cal Tech

Huntington
Memorial

Claremont
Colleges

Pasadena

Library

Univ. Calif. L. A.

• WHITE MEMORIAL HOSPITAL

• COLLEGE OF MEDICAL EVANGELISTS

Los Angeles

Univ. S. Calif.

Whittier College

• LYNWOOD ACADEMY

60

Pomona

Long Beach

Balboa

Laguna Beach

91

Orange Grov

Santa Ana

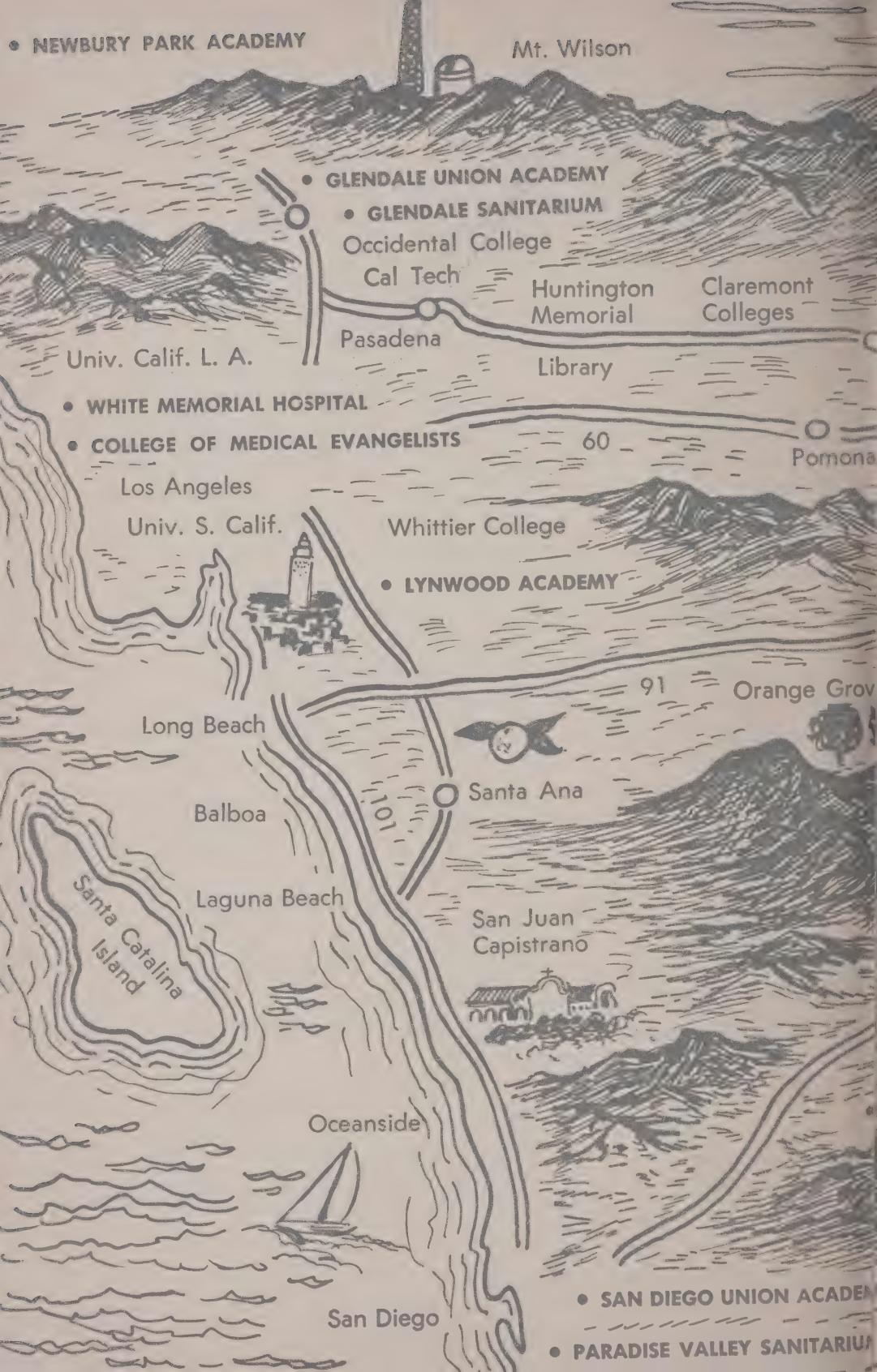
San Juan
Capistrano

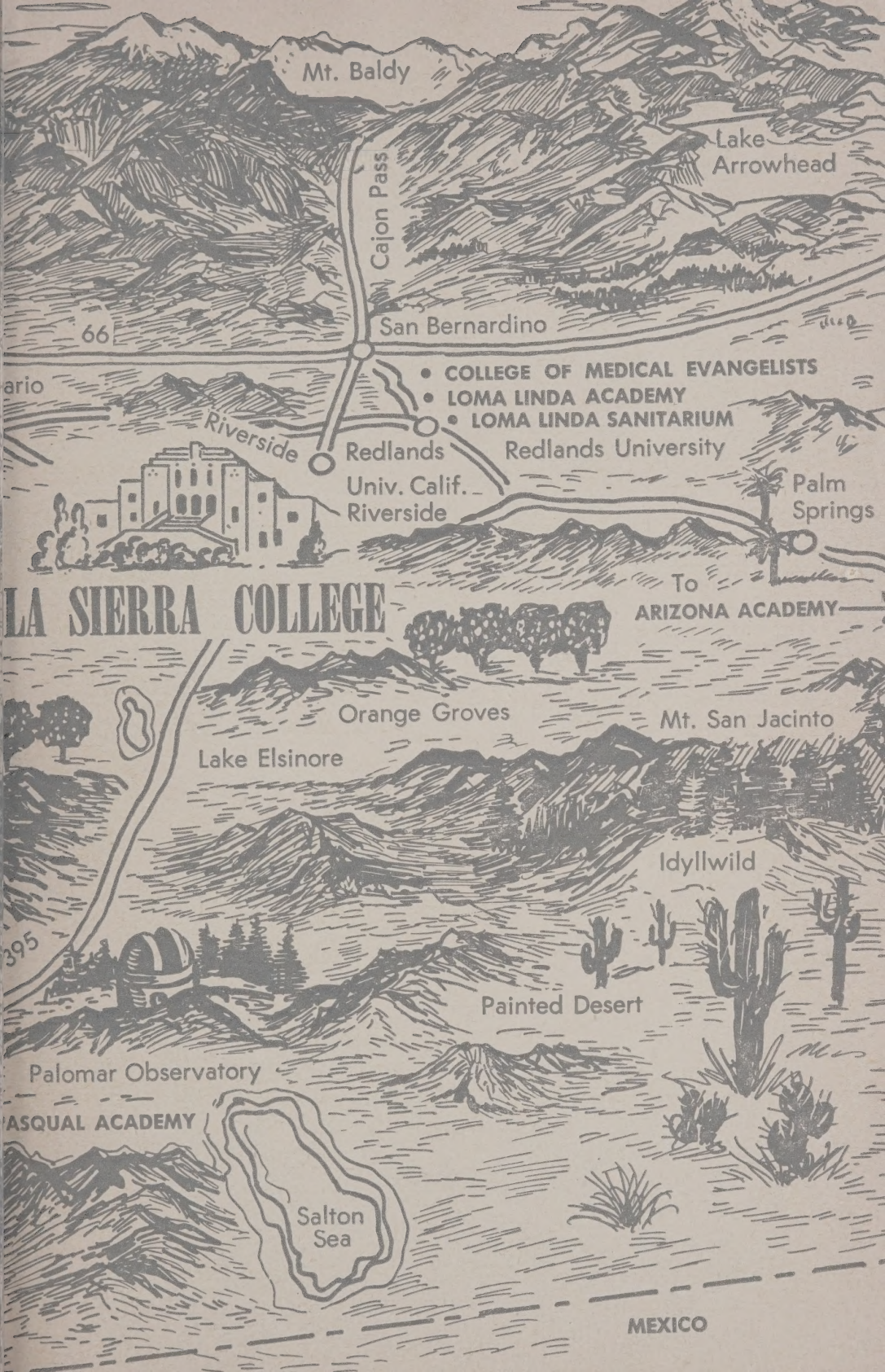
Oceanside

San Diego

• SAN DIEGO UNION ACADEMY

• PARADISE VALLEY SANITARIUM





Mt. Baldy

Lake Arrowhead

Cajon Pass

66

San Bernardino

ario

Riverside

Redlands

Univ. Calif.
Riverside

- COLLEGE OF MEDICAL EVANGELISTS
- LOMA LINDA ACADEMY
- LOMA LINDA SANITARIUM

Redlands University

Palm Springs

LA SIERRA COLLEGE

To
ARIZONA ACADEMY

Orange Groves

Mt. San Jacinto

Lake Elsinore

Idyllwild

Painted Desert

Palomar Observatory

ASQUAL ACADEMY

Salton Sea

MEXICO

UNIVERSITY OF ILLINOIS-URBANA



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